

Material Test Report

Report No: MAT:MNH24-00674-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00674-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner

Approved Signatory: David Gardiner (Laboratory Technician)
 Laboratory Number: 21427
 Date of Issue: 14/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH24-00674-Q01
Client Sample ID: C113847
Date Sampled: 25/07/2024
Source: SOUTH ARM (TASMANIA)
Material: FMAT/SAND/FINE/SOUTH ARM (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: WATSON'S SAND PIT, SOUTH FACE
Lot Number:

Particle Size Distribution

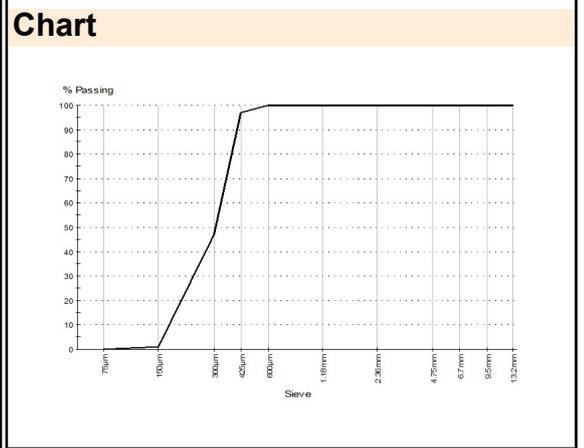
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 12/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	97	
300µm	47	
150µm	1	
75µm	0	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.4	
Date Tested		12/10/2024	



Comments

Hanson Hobart Laboratory sample number : H24/0267

Material Test Report

Report No: MAT:MNH24-00674-Q02

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00674-Q02'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
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David Gardiner

Approved Signatory: David Gardiner (Laboratory Technician)
 Laboratory Number: 21427
 Date of Issue: 14/10/2024
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Sample Details

Sample ID: MNH24-00674-Q02
Client Sample ID: C113848
Date Sampled: 25/07/2024
Source: SOUTH ARM (TASMANIA)
Material: FMAT/SAND/FINE/SOUTH ARM (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: WATSON'S SAND PIT, NORTH WALL
Lot Number:

Particle Size Distribution

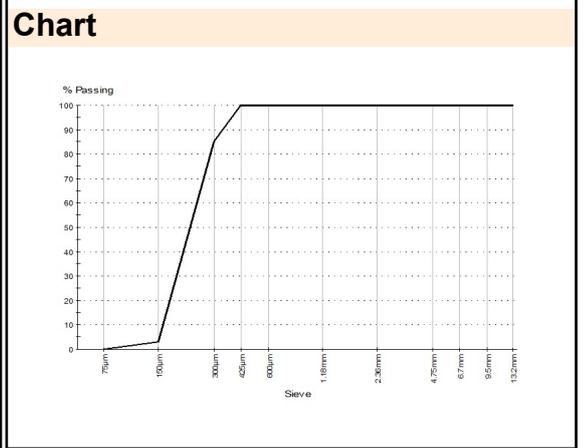
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 12/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	100	
300µm	85	
150µm	3	
75µm	0	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.4	
Date Tested		12/10/2024	



Comments

Hanson Hobart Laboratory sample number : H24/0268

Material Test Report

Report No: MAT:MNH24-00674-Q03

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00674-Q03'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner

Approved Signatory: David Gardiner (Laboratory Technician)
 Laboratory Number: 21427
 Date of Issue: 14/10/2024
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Sample Details

Sample ID: MNH24-00674-Q03
Client Sample ID: C113849
Date Sampled: 25/07/2024
Source: SOUTH ARM (TASMANIA)
Material: FMAT/SAND/FINE/SOUTH ARM (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: WATSON'S SAND PIT, SOUTH PIT
Lot Number:

Particle Size Distribution

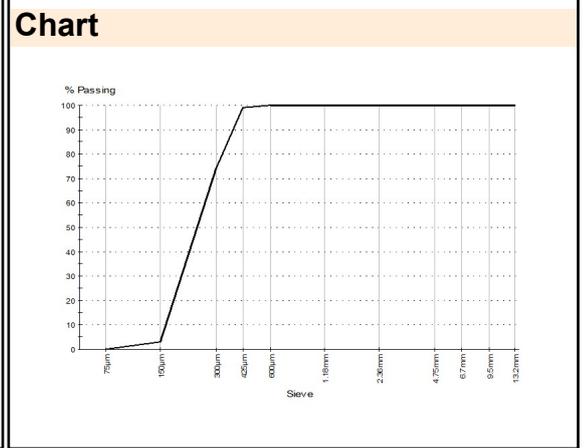
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 12/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	99	
300µm	74	
150µm	3	
75µm	0	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.1	
Date Tested		12/10/2024	



Comments

Hanson Hobart Laboratory sample number : H24/0269
 Fine black roots observed throughout sample.

Material Test Report

Report No: MAT:MNH24-00674-Q04

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00674-Q04'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner

NATA Accredited Laboratory Number: 21427
 Approved Signatory: David Gardiner (Laboratory Technician)
 Date of Issue: 14/10/2024
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Sample Details

Sample ID: MNH24-00674-Q04
Client Sample ID: C113850
Date Sampled: 25/07/2024
Source: SOUTH ARM (TASMANIA)
Material: FMAT/SAND/FINE/SOUTH ARM (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: DUNE NORTH OF WATSON'S PIT
Lot Number:

Particle Size Distribution

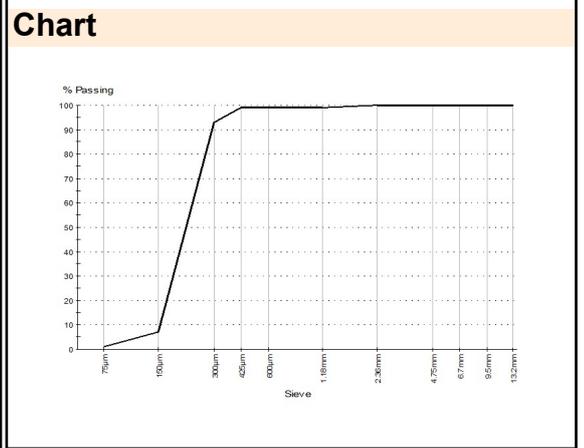
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 12/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	99	
600µm	99	
425µm	99	
300µm	93	
150µm	7	
75µm	1	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.2	
Date Tested		12/10/2024	



Comments

Hanson Hobart Laboratory sample number : H24/0270
 Widespread brown roots observed in sample

Material Test Report

Report No: MAT:MNH24-00674-Q05

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00674-Q05'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Technician)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 14/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH24-00674-Q05
Client Sample ID: C113851
Date Sampled: 25/07/2024
Source: SOUTH ARM (TASMANIA)
Material: FMAT/SAND/FINE/SOUTH ARM (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: SAND DUNE NEAR WATSON'S PIT
Lot Number:

Particle Size Distribution

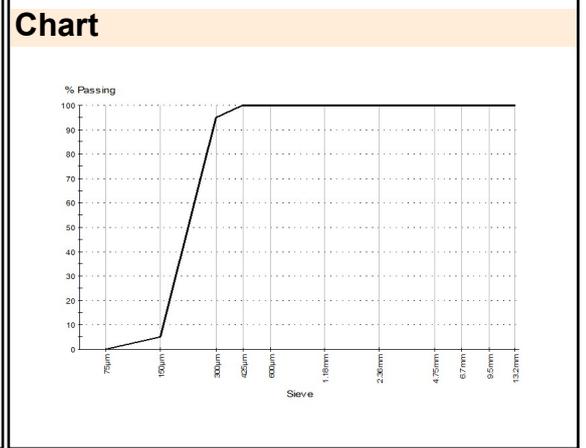
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 12/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	100	
300µm	95	
150µm	5	
75µm	0	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.1	
Date Tested		12/10/2024	



Comments

Hanson Hobart Laboratory sample number : H24/0271

Material Test Report

Report No: MAT:MNH24-00675-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00675-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.



Approved Signatory: David Gardiner (Laboratory Technician)
 Laboratory Number: 21427
 Date of Issue: 14/10/2024
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Sample Details
Sample ID: MNH24-00675-Q01
Client Sample ID: C113852
Date Sampled: 27/08/2024
Source: RHEEBAN BEACH (TASMANIA)
Material: FINS/SAND/FINE/RHEEBAN BEACH (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: VEGETATED DUNES BEHIND BEACH
Lot Number:

Particle Size Distribution
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 12/10/2024

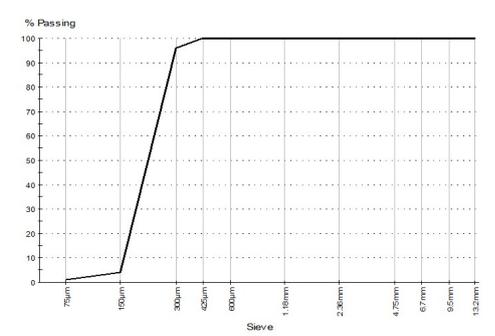
Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	100	
300µm	96	
150µm	4	
75µm	1	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.1	
Date Tested		12/10/2024	

Chart



Comments
 Hanson Hobart Laboratory sample number : H24/0272
 Minor fine roots observed in sample

Material Test Report

Report No: MAT:MNH24-00675-Q02

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00675-Q02'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.



Approved Signatory: David Gardiner (Laboratory Technician)
 Laboratory Number: 21427
 Date of Issue: 14/10/2024
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Sample Details
Sample ID: MNH24-00675-Q02
Client Sample ID: C113855
Date Sampled: 27/08/2024
Source: RHEEBAN BEACH (TASMANIA)
Material: FINS/SAND/FINE/RHEEBAN BEACH (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: VEGETATED DUNES BEHIND BEACH
Lot Number:

Particle Size Distribution
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 12/10/2024

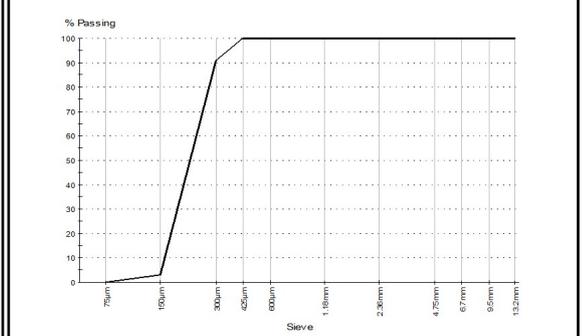
Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	100	
300µm	91	
150µm	3	
75µm	0	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.0	
Date Tested		12/10/2024	

Chart



Comments
 Hanson Hobart Laboratory sample number : H24/0273

Material Test Report

Report No: MAT:MNH24-00677-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00677-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner

NATA Accredited Laboratory Number: 21427
 Approved Signatory: David Gardiner (Laboratory Technician)
 Date of Issue: 14/10/2024
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Sample Details

Sample ID: MNH24-00677-Q01
Client Sample ID: C113856
Date Sampled: 27/08/2024
Source: SPRING BEACH (TASMANIA)
Material: FINS/SAND/FINE/SPRING BEACH (TASMANIA)
Sampled From: Sand Pit
Sampling Method: AS 1141.3.1 Clause 9.3
Specification: SR - Fine Aggregate
Location: VEGETATED DUNES BEHIND BEACH
Lot Number:

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.3	
Date Tested		14/10/2024	

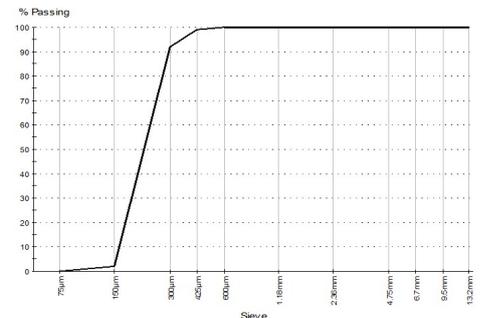
Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 14/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	99	
300µm	92	
150µm	2	
75µm	0	

Chart



Comments

Hanson Hobart Laboratory sample number : H24/0274
 Minor brown roots observed in sample

Material Test Report

Report No: MAT:MNH24-00678-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00678-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Technician)
 NATA Accredited Laboratory Number: 21427
 Date of Issue: 14/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details
Sample ID: MNH24-00678-Q01
Client Sample ID: C113857
Date Sampled: 09/09/2024
Source: COPPING (TASMANIA)
Material: FINS/SAND/FINE/COPPING (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: PINE PLANTATION ON SAND BASE
Lot Number:

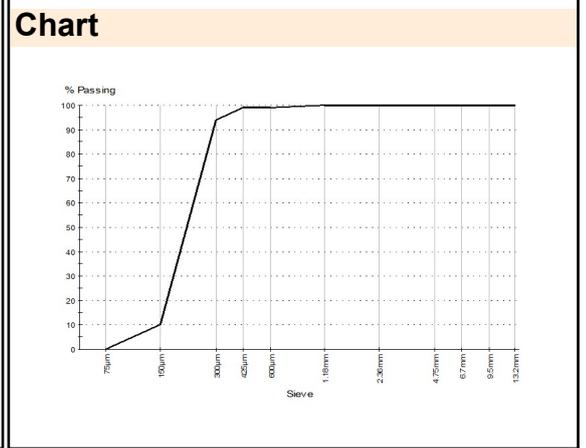
Particle Size Distribution
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 14/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	99	
425µm	99	
300µm	94	
150µm	10	
75µm	0	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.4	
Date Tested		14/10/2024	



Comments
 Hanson Hobart Laboratory sample number : H24/0275
 Minor brown roots observed in sample

Material Test Report

Report No: MAT:MNH24-00678-Q02

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00678-Q02'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Technician)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 14/10/2024
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Sample Details

Sample ID: MNH24-00678-Q02
Client Sample ID: C113858
Date Sampled: 09/09/2024
Source: COPPING (TASMANIA)
Material: FINS/SAND/FINE/COPPING (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: PINE PLANTATION ON SAND BASE
Lot Number:

Particle Size Distribution

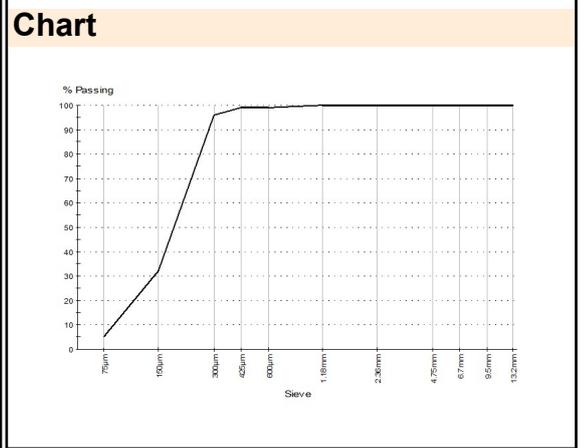
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 14/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	99	
425µm	99	
300µm	96	
150µm	32	
75µm	5	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.2	
Date Tested		14/10/2024	



Comments

Hanson Hobart Laboratory sample number : H24/0276
 Minor roots observed in sample

Material Test Report

Report No: MAT:MNH24-00678-Q03

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00678-Q03'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Technician)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 14/10/2024
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Sample Details

Sample ID: MNH24-00678-Q03
Client Sample ID: C113859
Date Sampled: 09/09/2024
Source: COPPING (TASMANIA)
Material: FINS/SAND/FINE/COPPING (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: PINE PLANTATION ON SAND BASE
Lot Number:

Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 14/10/2024

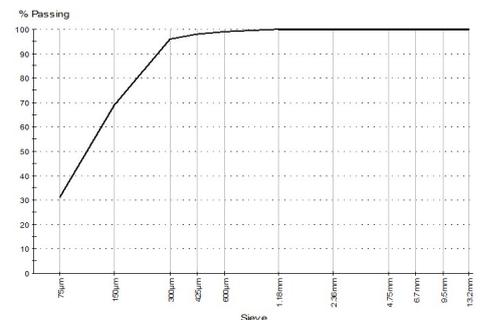
Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	99	
425µm	98	
300µm	96	
150µm	69	
75µm	31	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.5	
Date Tested		14/10/2024	

Chart



Comments

Hanson Hobart Laboratory sample number : H24/0277

Material Test Report

Report No: MAT:MNH24-00678-Q04

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00678-Q04'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Technician)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 14/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH24-00678-Q04
Client Sample ID: C113860
Date Sampled: 09/09/2024
Source: COPPING (TASMANIA)
Material: FINS/SAND/FINE/COPPING (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: PINE PLANTATION ON SAND BASE
Lot Number:

Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 14/10/2024

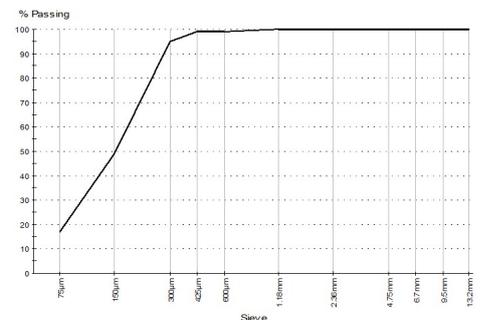
Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	99	
425µm	99	
300µm	95	
150µm	49	
75µm	17	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.6	
Date Tested		14/10/2024	

Chart



Comments

Hanson Hobart Laboratory sample number : H24/0278

Material Test Report

Report No: MAT:MNH24-00682-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00682-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.



Approved Signatory: David Gardiner (Laboratory Supervisor)
 Laboratory Number: 21427
 Date of Issue: 15/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH24-00682-Q01
Client Sample ID: C113861
Date Sampled: 09/09/2024
Source: MARION BAY (TASMANIA)
Material: FINS/SAND/FINE/MARION BAY (TASMANIA)
Sampled From: Sand Pit
Sampling Method: AS 1141.3.1 Clause 9.3
Specification: SR - Fine Aggregate
Location: BEACH DUNE
Lot Number:

Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 15/10/2024

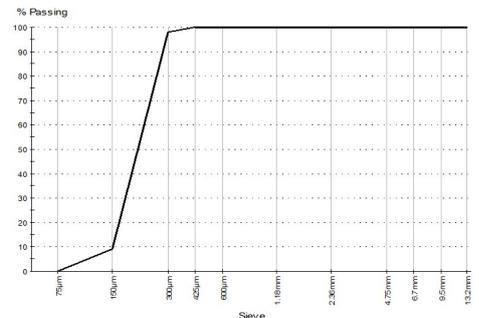
Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	100	
300µm	98	
150µm	9	
75µm	0	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.0	
Date Tested		15/10/2024	

Chart



Comments

Hanson Hobart Laboratory sample number : H24/0280

Material Test Report

Report No: MAT:MNH24-00683-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00683-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 16/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH24-00683-Q01
Client Sample ID: C113862
Date Sampled: 09/09/2024
Source: BUCKLANDS (TASMANIA)
Material: FINS/SAND/FINE/BUCKLANDS (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: FORESTED WITH LOW BRACKEN COVER
Lot Number:

Particle Size Distribution

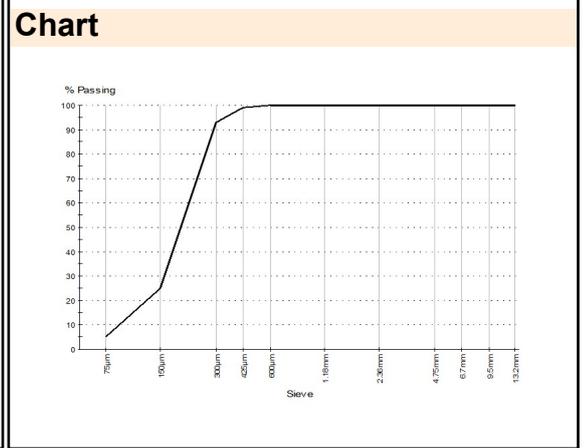
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 16/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	99	
300µm	93	
150µm	25	
75µm	5	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.0	
Date Tested		16/10/2024	



Comments

Hanson Hobart Laboratory sample number : H24/0281

Material Test Report

Report No: MAT:MNH24-00683-Q02

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00683-Q02'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 16/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH24-00683-Q02
Client Sample ID: C113863
Date Sampled: 09/09/2024
Source: BUCKLANDS (TASMANIA)
Material: FINS/SAND/FINE/BUCKLANDS (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: FORESTED WITH LOW BRACKEN COVER
Lot Number:

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.6	
Date Tested		16/10/2024	

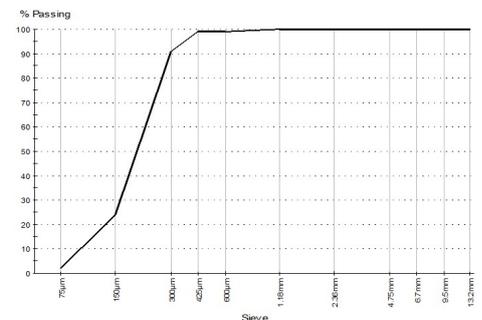
Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 16/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	99	
425µm	99	
300µm	91	
150µm	24	
75µm	2	

Chart



Comments

Hanson Hobart Laboratory sample number : H24/0282

Material Test Report

Report No: MAT:MNH24-00683-Q03

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00683-Q03'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.



Approved Signatory: David Gardiner (Laboratory Supervisor)
 Laboratory Number: 21427
 Date of Issue: 16/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample ID: MNH24-00683-Q03
Client Sample ID: C113864
Date Sampled: 09/09/2024
Source: BUCKLANDS (TASMANIA)
Material: FINS/SAND/FINE/BUCKLANDS (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: FORESTED WITH LOW BRACKEN COVER
Lot Number:

Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 16/10/2024

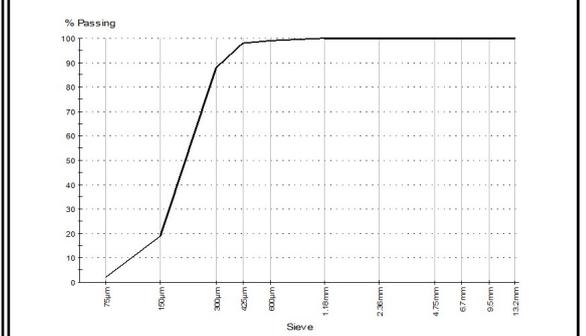
Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	99	
425µm	98	
300µm	88	
150µm	19	
75µm	2	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.0	
Date Tested		16/10/2024	

Chart



Comments

Hanson Hobart Laboratory sample number : H24/0283

Material Test Report

Report No: MAT:MNH24-00683-Q04

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00683-Q04'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 16/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details
Sample ID: MNH24-00683-Q04
Client Sample ID: C113865
Date Sampled: 09/09/2024
Source: BUCKLANDS (TASMANIA)
Material: FINS/SAND/FINE/BUCKLANDS (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Coarse Aggregate
Location: FORESTED WITH LOW BRACKEN COVER
Lot Number:

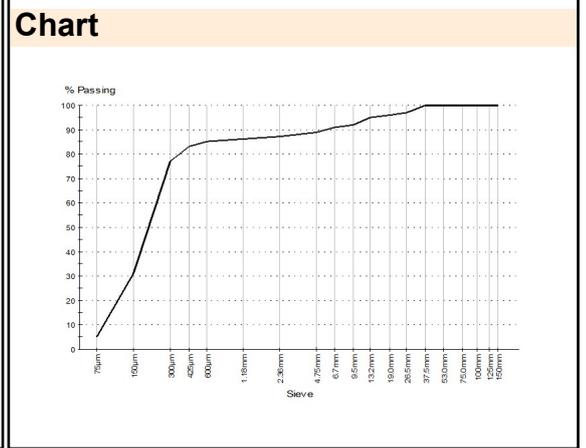
Particle Size Distribution
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 16/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
150mm	100	
125mm	100	
100mm	100	
75.0mm	100	
53.0mm	100	
37.5mm	100	
26.5mm	97	
19.0mm	96	
13.2mm	95	
9.5mm	92	
6.7mm	91	
4.75mm	89	
2.36mm	87	
1.18mm	86	
600µm	85	
425µm	83	
300µm	77	
150µm	31	
75µm	5	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.5	
Date Tested		16/10/2024	



Comments
 Hanson Hobart Laboratory sample number : H24/0284
 Entire submitted sample tested

Material Test Report

Report No: MAT:MNH24-00683-Q05

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00683-Q05'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 16/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH24-00683-Q05
Client Sample ID: C113866
Date Sampled: 09/09/2024
Source: BUCKLANDS (TASMANIA)
Material: FINS/SAND/FINE/BUCKLANDS (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: FORESTED WITH LOW BRACKEN COVER
Lot Number:

Particle Size Distribution

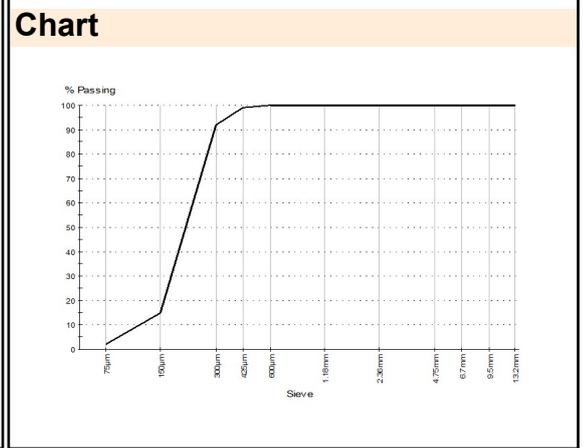
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 16/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	99	
300µm	92	
150µm	15	
75µm	2	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.7	
Date Tested		16/10/2024	



Comments

Hanson Hobart Laboratory sample number : H24/0285

Material Test Report

Report No: MAT:MNH24-00683-Q06

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00683-Q06'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 17/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH24-00683-Q06
Client Sample ID: C113867
Date Sampled: 09/09/2024
Source: BUCKLANDS (TASMANIA)
Material: FINS/SAND/FINE/BUCKLANDS (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: FORESTED WITH LOW BRACKEN COVER
Lot Number:

Particle Size Distribution

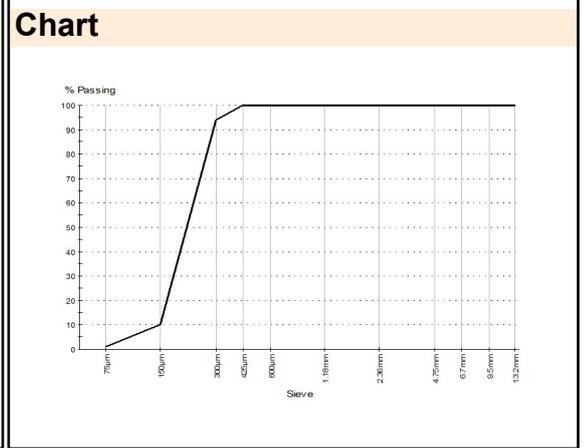
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 17/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	100	
300µm	94	
150µm	10	
75µm	1	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.2	
Date Tested		17/10/2024	



Comments

Hanson Hobart Laboratory sample number : H24/0286

Material Test Report

Report No: MAT:MNH24-00684-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00684-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)
 NATA Accredited Laboratory Number: 21427
 Date of Issue: 19/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details
Sample ID: MNH24-00684-Q01
Client Sample ID: C113868
Date Sampled: 11/09/2024
Source: TYENNA (TASMANIA)
Material: FINS/SAND/FINE/TYENNA (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: FORESTRY BLOCK ROAD CUT
Lot Number:

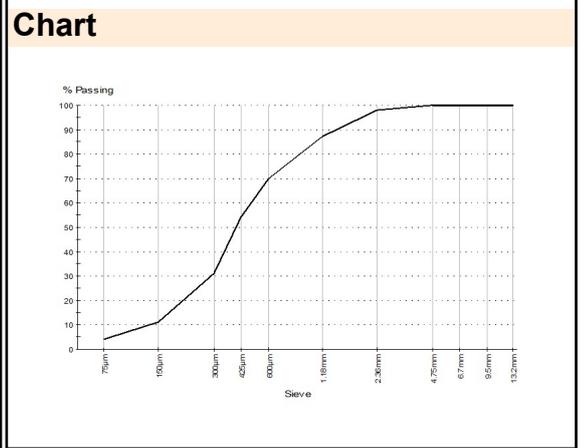
Particle Size Distribution
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 19/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	98	
1.18mm	87	
600µm	70	
425µm	54	
300µm	31	
150µm	11	
75µm	4	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		1.6	
Date Tested		19/10/2024	



Comments
 Hanson Hobart Laboratory sample number : H24/0287
 Minor long roots observed in sample

Material Test Report

Report No: MAT:MNH24-00714-Q01

Issue No: 2

This report replaces all previous issues of report no 'MAT:MNH24-00714-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 23/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH24-00714-Q01
Client Sample ID: C113869
Date Sampled: 12/09/2024
Source: SLOPING MAIN (TASMANIA)
Material: FINS/SAND/FINE/SLOPING MAIN (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: DUNE INLAND FROM BEACH
Lot Number:

Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 23/10/2024

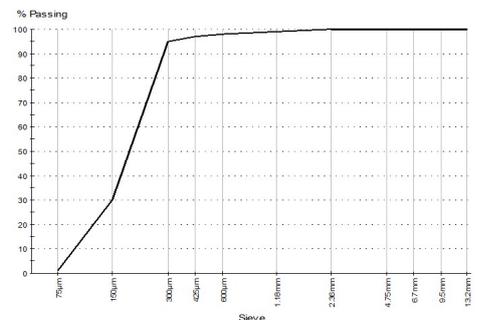
Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	99	
600µm	98	
425µm	97	
300µm	95	
150µm	30	
75µm	1	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.7	
Date Tested		23/10/2024	

Chart



Comments

Hanson Hobart Laboratory sample number : H24/0301
 Widespread fine roots observed in sample

Material Test Report

Report No: MAT:MNH24-00715-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00715-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner

NATA Accredited Laboratory Number: 21427
 Approved Signatory: David Gardiner (Laboratory Supervisor)
 Date of Issue: 23/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH24-00715-Q01
Client Sample ID: C113870
Date Sampled: 12/09/2024
Source: SLOPING MAIN (TASMANIA)
Material: FINS/SAND/FINE/SLOPING MAIN (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: DUNE INLAND FROM BEACH
Lot Number:

Particle Size Distribution

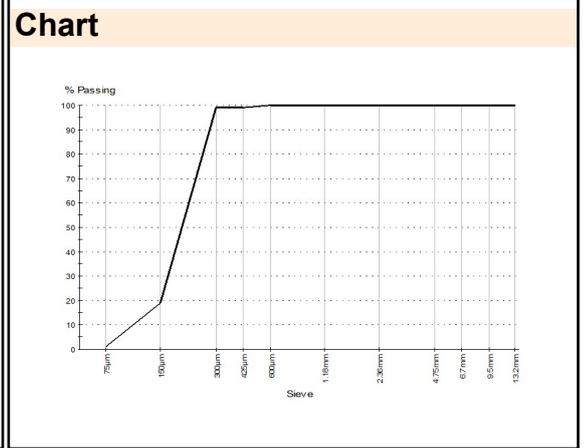
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 23/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	99	
300µm	99	
150µm	19	
75µm	1	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.3	
Date Tested		23/10/2024	



Comments

Hanson Hobart Laboratory sample number : H24/0302
 Minor organic matter observed in sample

Material Test Report

Report No: MAT:MNH24-00716-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00716-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner

Approved Signatory: David Gardiner (Laboratory Supervisor)
 Laboratory Number: 21427
 Date of Issue: 23/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH24-00716-Q01
Client Sample ID: C113871
Date Sampled: 12/09/2024
Source: ROARING BEACH (TASMANIA)
Material: FINS/SAND/FINE/ROARING BEACH (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: DUNE INLAND FROM BEACH
Lot Number:

Particle Size Distribution

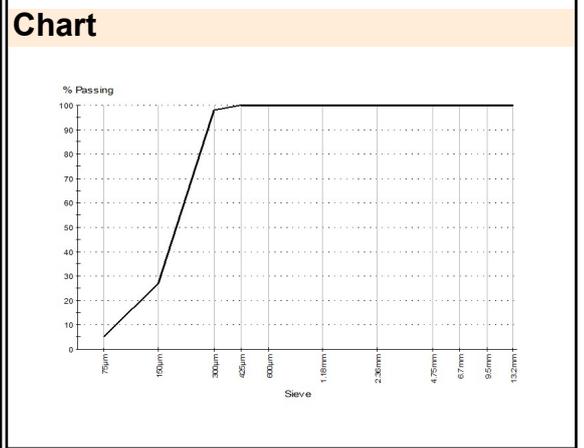
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 23/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	100	
300µm	98	
150µm	27	
75µm	5	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.1	
Date Tested		23/10/2024	



Comments

Hanson Hobart Laboratory sample number : H24/0303

Material Test Report

Report No: MAT:MNH24-00717-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00717-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner

NATA Accredited Laboratory Number: 21427
 Approved Signatory: David Gardiner (Laboratory Supervisor)
 Date of Issue: 23/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH24-00717-Q01
Client Sample ID: C113872
Date Sampled: 12/09/2024
Source: ROARING BEACH (TASMANIA)
Material: FINS/SAND/FINE/ROARING BEACH (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: BASE OF LARGE DUNE
Lot Number:

Particle Size Distribution

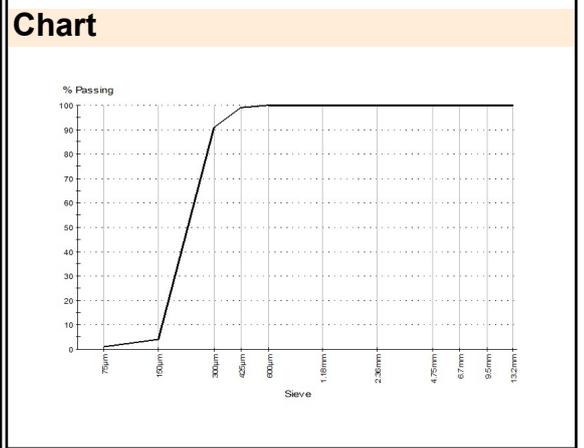
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 23/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	99	
300µm	91	
150µm	4	
75µm	1	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.7	
Date Tested		23/10/2024	



Comments

Hanson Hobart Laboratory sample number : H24/0304

Material Test Report

Report No: MAT:MNH24-00719-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00719-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.



Approved Signatory: David Gardiner (Laboratory Supervisor)
 Laboratory Number: 21427
 Date of Issue: 24/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details
Sample ID: MNH24-00719-Q01
Client Sample ID: C113873
Date Sampled: 12/09/2024
Source: MURDUNNA (TASMANIA)
Material: FINS/SAND/FINE/MURDUNNA (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: VEGETATED DUNES BEHIND BEACH
Lot Number:

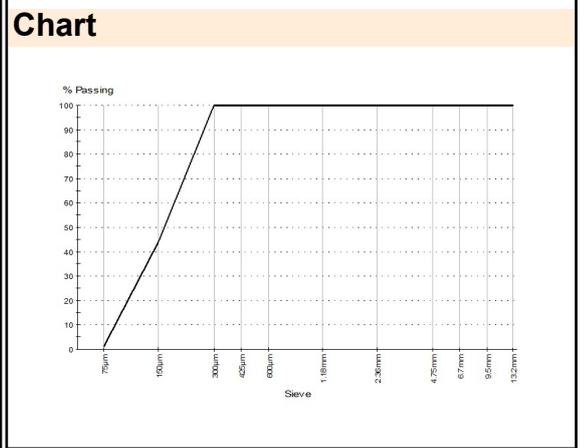
Particle Size Distribution
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 24/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	100	
300µm	100	
150µm	44	
75µm	1	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.8	
Date Tested		24/10/2024	



Comments
 Hanson Hobart Laboratory sample number : H24/0305
 Long brown roots observed in sample

Material Test Report

Report No: MAT:MNH24-00720-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00720-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 24/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH24-00720-Q01
Client Sample ID: C113874
Date Sampled: 12/09/2024
Source: MURDUNNA (TASMANIA)
Material: FINS/SAND/FINE/MURDUNNA (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: VEGETATED DUNES BEHIND BEACH
Lot Number:

Particle Size Distribution

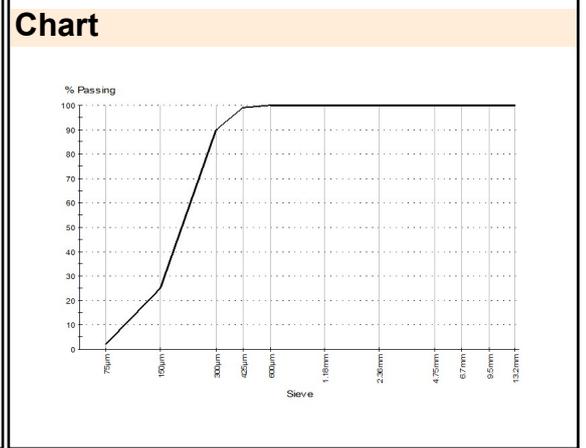
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 24/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	99	
300µm	90	
150µm	25	
75µm	2	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.0	
Date Tested		24/10/2024	



Comments

Hanson Hobart Laboratory sample number : H24/0305
 Minor fibrous roots observed in sample

Material Test Report

Report No: MAT:MNH24-00721-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00721-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 24/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH24-00721-Q01
Client Sample ID: C113875
Date Sampled: 12/09/2024
Source: MURDUNNA (TASMANIA)
Material: FINS/SAND/FINE/MURDUNNA (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: VEGETATED DUNES BEHIND BEACH
Lot Number:

Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 24/10/2024

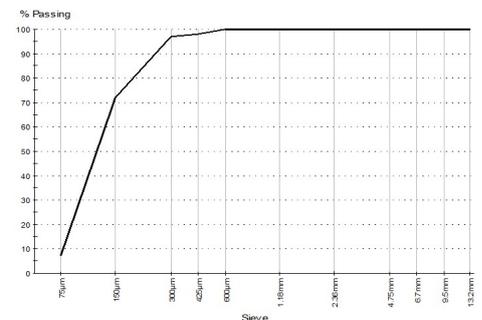
Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	98	
300µm	97	
150µm	72	
75µm	7	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.0	
Date Tested		24/10/2024	

Chart



Comments

Hanson Hobart Laboratory sample number : H24/0306

Material Test Report

Report No: MAT:MNH24-00722-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00722-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 24/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH24-00722-Q01
Client Sample ID: C113876
Date Sampled: 12/09/2024
Source: MURDUNNA (TASMANIA)
Material: FINS/SAND/FINE/MURDUNNA (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: VEGETATED DUNES BEHIND BEACH
Lot Number:

Particle Size Distribution

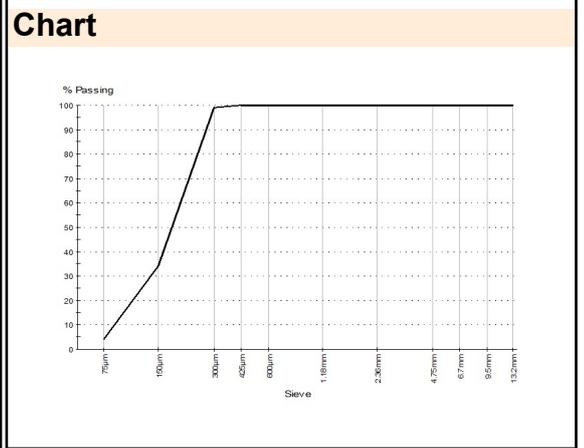
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 24/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	100	
300µm	99	
150µm	34	
75µm	4	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.3	
Date Tested		24/10/2024	



Comments

Hanson Hobart Laboratory sample number : H24/0307

Material Test Report

Report No: MAT:MNH24-00730-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00730-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.



Approved Signatory: David Gardiner (Laboratory Supervisor)
 Laboratory Number: 21427
 Date of Issue: 26/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH24-00730-Q01
Client Sample ID: C113877
Date Sampled: 12/09/2024
Source: SOMERS BAY (TASMANIA)
Material: FINS/SAND/FINE/SOMERS BAY (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: SUBCROP BELOW FIELD
Lot Number:

Particle Size Distribution

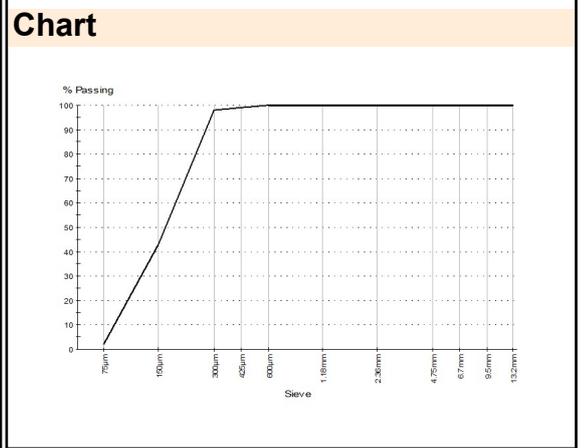
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 26/10/2024

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	99	
300µm	98	
150µm	43	
75µm	2	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.5	
Date Tested		26/10/2024	



Comments

Hanson Hobart Laboratory sample number : H24/0313
 Fine brown roots observed in sample

Material Test Report

Report No: MAT:MNH24-00731-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH24-00731-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.



Approved Signatory: David Gardiner (Laboratory Supervisor)
 Laboratory Number: 21427
 Date of Issue: 26/10/2024
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details
Sample ID: MNH24-00731-Q01
Client Sample ID: C113878
Date Sampled: 09/10/2024
Source: TAHUNE (TASMANIA)
Material: FINS/SAND/FINE/TAHUNE (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Coarse Aggregate
Location: FLOODPLAIN CUTTINGS NEAR DUGGAN'S QUARTZ QUARRY
Lot Number: Tahune sand / clay / gravel

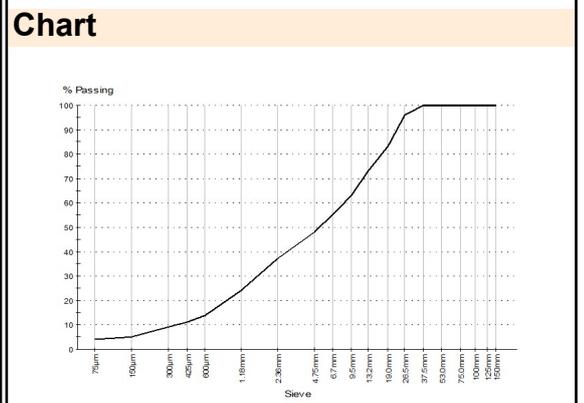
Particle Size Distribution
Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 26/10/2024

Note: Sample Not Washed

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.9	
Date Tested		26/10/2024	

Sieve Size	% Passing	Limits
150mm	100	
125mm	100	
100mm	100	
75.0mm	100	
53.0mm	100	
37.5mm	100	
26.5mm	96	
19.0mm	83	
13.2mm	73	
9.5mm	63	
6.7mm	55	
4.75mm	48	
2.36mm	37	
1.18mm	24	
600µm	14	
425µm	11	
300µm	9	
150µm	5	
75µm	4	



Comments
 Hanson Hobart Laboratory sample number : H24/0314
 Entire submitted sample tested

Material Test Report

Report No: MAT:MNH25-00058-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH25-00058-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 5/02/2025
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH25-00058-Q01
Client Sample ID: 113879
Date Sampled: 13/01/2025
Source: BANGOR (TASMANIA)
Material: FINS/SAND/FINE/BANGOR (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: E-MGA : 578202 ; N-MGA : 5252253
Lot Number: HYATTS BEACH SAND

Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 1/02/2025

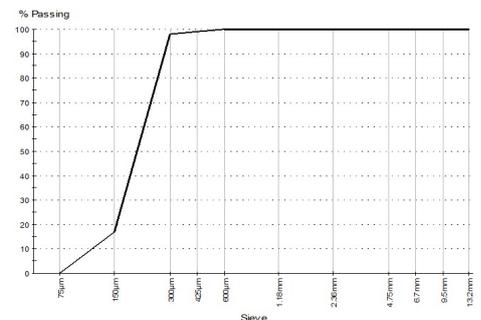
Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	99	
300µm	98	
150µm	17	
75µm	0	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.6	
Date Tested		1/02/2025	

Chart



Comments

Heidelberg Materials Hobart Laboratory sample number : H25/0029

Material Test Report

Report No: MAT:MNH25-00059-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH25-00059-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 5/02/2025
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH25-00059-Q01
Client Sample ID: 113880
Date Sampled: 13/01/2025
Source: BANGOR (TASMANIA)
Material: FINS/SAND/FINE/BANGOR (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: E-MGA : 577043 ; N-MGA : 5252242
Lot Number: TWO MILE BEACH SAND

Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 1/02/2025

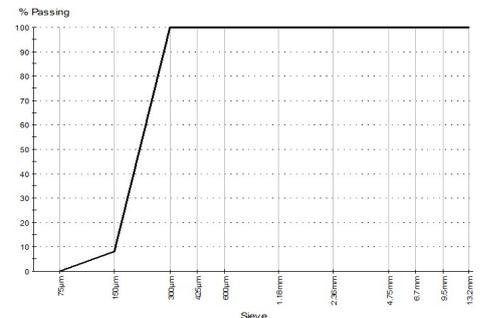
Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	100	
300µm	100	
150µm	8	
75µm	0	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.4	
Date Tested		1/02/2025	

Chart



Comments

Heidelberg Materials Hobart Laboratory sample number : H25/0030

Material Test Report

Report No: MAT:MNH25-00060-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH25-00060-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 5/02/2025
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH25-00060-Q01
Client Sample ID: 113881
Date Sampled: 13/01/2025
Source: BANGOR (TASMANIA)
Material: FINS/SAND/FINE/BANGOR (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: E-MGA : 576322 ; N-MGA : 5252572
Lot Number: TWO MILE BEACH SAND

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.0	
Date Tested		1/02/2025	

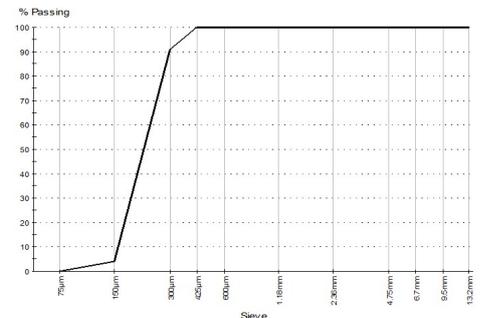
Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 1/02/2025

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	100	
300µm	91	
150µm	4	
75µm	0	

Chart



Comments

Heidelberg Materials Hobart Laboratory sample number : H25/0031

Material Test Report

Report No: MAT:MNH25-00061-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH25-00061-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 5/02/2025
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH25-00061-Q01
Client Sample ID: 113882
Date Sampled: 13/01/2025
Source: BANGOR (TASMANIA)
Material: FINS/SAND/FINE/BANGOR (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: E-MGA : 575472 ; N-MGA : 5253384
Lot Number: TWO MILE BEACH SAND

Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 1/02/2025

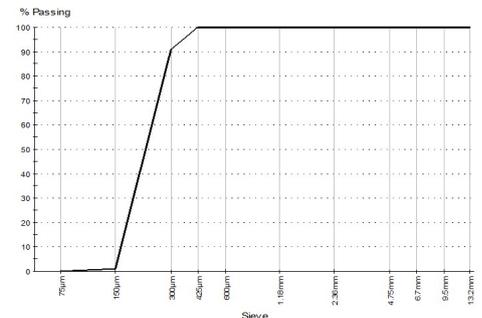
Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	100	
300µm	91	
150µm	1	
75µm	0	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.6	
Date Tested		1/02/2025	

Chart



Comments

Heidelebrg Materials Hobart Laboratory sample number : H25/0032

Material Test Report

Report No: MAT:MNH25-00062-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH25-00062-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.



Approved Signatory: David Gardiner (Laboratory Supervisor)
 Laboratory Number: 21427
 Date of Issue: 5/02/2025
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH25-00062-Q01
Client Sample ID: 113883
Date Sampled: 13/01/2025
Source: BANGOR (TASMANIA)
Material: FINS/SAND/FINE/BANGOR (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: E-MGA : 571277 ; N-MGA : 5253042
Lot Number: NORTHERN BANGOR

Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 3/02/2025

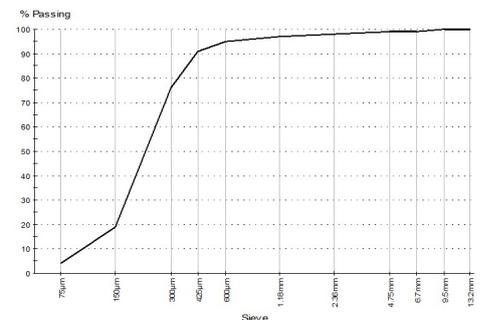
Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	99	
4.75mm	99	
2.36mm	98	
1.18mm	97	
600µm	95	
425µm	91	
300µm	76	
150µm	19	
75µm	4	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		1.0	
Date Tested		3/02/2025	

Chart



Comments

Heidelberg Materials Hobart Laboratory sample number : H25/0033

Material Test Report

Report No: MAT:MNH25-00063-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH25-00063-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS


 Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

 Approved Signatory: David Gardiner (Laboratory Supervisor)
 NATA Accredited Laboratory Number: 21427
 Date of Issue: 5/02/2025
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH25-00063-Q01
Client Sample ID: 113884
Date Sampled: 13/01/2025
Source: BANGOR (TASMANIA)
Material: FINS/SAND/FINE/BANGOR (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: E-MGA : 572825 ; N-MGA : 5255561
Lot Number: CHINAMANS BAY

Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 3/02/2025

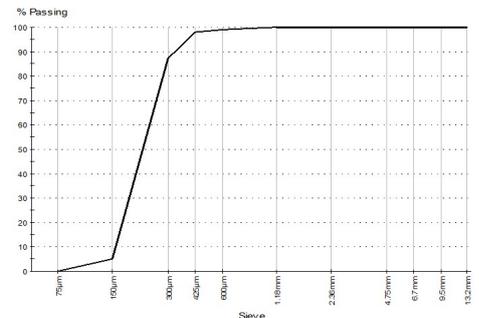
Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	99	
425µm	98	
300µm	87	
150µm	5	
75µm	0	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.0	
Date Tested		3/02/2025	

Chart



Comments

Heidelberg Materials Hobart Laboratory sample number : H25/0034

Material Test Report

Report No: MAT:MNH25-00064-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH25-00064-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 5/02/2025
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH25-00064-Q01
Client Sample ID: 113885
Date Sampled: 01/01/2025
Source: MARIA (TASMANIA)
Material: FINS/SAND/FINE/MARIA (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: E-MGA : 587375 ; N-MGA : 5285479
Lot Number: DARLINGTON BEACH

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.0	
Date Tested		3/02/2025	

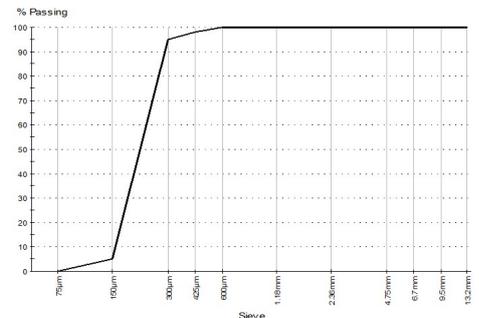
Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 3/02/2025

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	98	
300µm	95	
150µm	5	
75µm	0	

Chart



Comments

Heidelberg Materials Hobart Laboratory sample number : H25/0035

Material Test Report

Report No: MAT:MNH25-00065-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH25-00065-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS


 Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.


 Approved Signatory: David Gardiner (Laboratory Supervisor)
 NATA Accredited Laboratory Number: 21427
 Date of Issue: 5/02/2025
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH25-00065-Q01
Client Sample ID: 113886
Date Sampled: 24/12/2024
Source: RECHERCHE (TASMANIA)
Material: FINS/SAND/FINE/RECHERCHE (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: E-MGA : 491207 ; N-MGA : 5174577
Lot Number: LANCASTERS BEACH

Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 3/02/2025

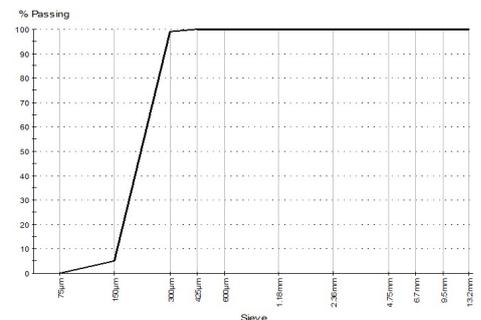
Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	100	
300µm	99	
150µm	5	
75µm	0	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.3	
Date Tested		3/02/2025	

Chart



Comments

Heidelberg Materials Hobart Laboratory sample number : H25/0036

Material Test Report

Report No: MAT:MNH25-00066-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH25-00066-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 5/02/2025
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH25-00066-Q01
Client Sample ID: 113887
Date Sampled: 21/01/2025
Source: BRUNY ISLAND (TASMANIA)
Material: FINS/SAND/FINE/BRUNY ISLAND (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: E-MGA : 525539 ; N-MGA : 5205316
Lot Number: SOUTH BRUNY LAGOON

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.2	
Date Tested		4/02/2025	

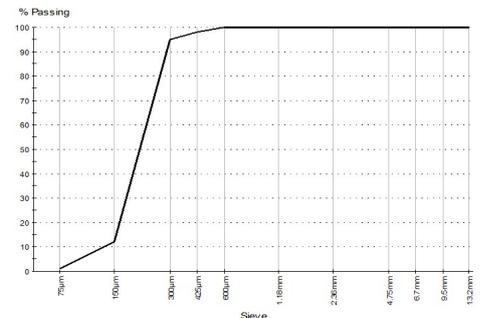
Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 4/02/2025

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	98	
300µm	95	
150µm	12	
75µm	1	

Chart



Comments

Heidelberg Materials Hobart Laboratory sample number : H25/0037

Material Test Report

Report No: MAT:MNH25-00067-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH25-00067-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 5/02/2025
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Sample Details

Sample ID: MNH25-00067-Q01
Client Sample ID: 113888
Date Sampled: 21/01/2025
Source: BRUNY ISLAND (TASMANIA)
Material: FINS/SAND/FINE/BRUNY ISLAND (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: E-MGA : 526468 ; N-MGA : 5199496
Lot Number: ADVENTURE BAY (NORTH)

Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 4/02/2025

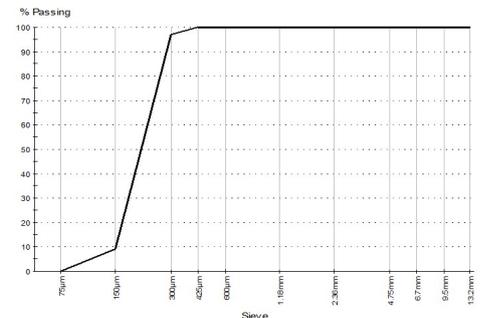
Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	100	
300µm	97	
150µm	9	
75µm	0	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.0	
Date Tested		4/02/2025	

Chart



Comments

Heidelberg Materials Hobart Laboratory sample number : H25/0038

Material Test Report

Report No: MAT:MNH25-00068-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH25-00068-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 5/02/2025
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Sample Details

Sample ID: MNH25-00068-Q01
Client Sample ID: 113889
Date Sampled: 21/01/2025
Source: BRUNY ISLAND (TASMANIA)
Material: FINS/SAND/FINE/BRUNY ISLAND (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: E-MGA : 527998 ; N-MGA : 5198207
Lot Number: ADVENTURE BAY (SOUTH)

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.0	
Date Tested		4/02/2025	

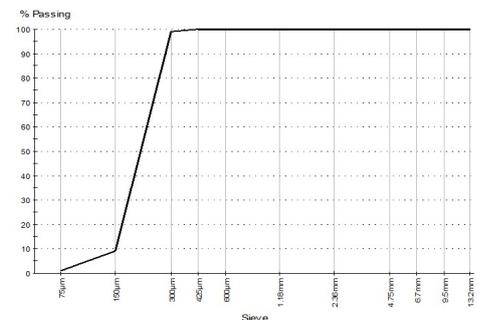
Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 4/02/2025

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	100	
300µm	99	
150µm	9	
75µm	1	

Chart



Comments

Heidelberg Materials Hobart Laboratory sample number : H25/0039

Material Test Report

Report No: MAT:MNH25-00069-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH25-00069-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 5/02/2025
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Sample Details

Sample ID: MNH25-00069-Q01
Client Sample ID: 113890
Date Sampled: 21/01/2025
Source: BRUNY ISLAND (TASMANIA)
Material: FINS/SAND/FINE/BRUNY ISLAND (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: E-MGA : 519547 ; N-MGA : 5203298
Lot Number: ALONNAH

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.4	
Date Tested		4/02/2025	

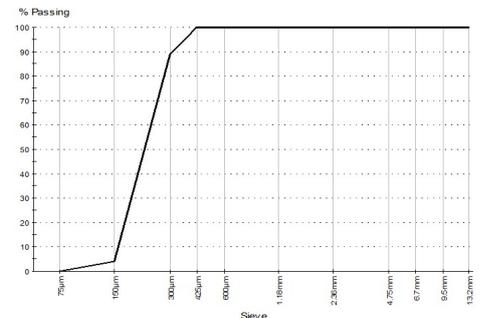
Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 4/02/2025

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	100	
300µm	89	
150µm	4	
75µm	0	

Chart



Comments

Heidelberg Materials Hobart Laboratory sample number : H25/0040

Material Test Report

Report No: MAT:MNH25-00070-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH25-00070-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS


 Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

 Approved Signatory: David Gardiner (Laboratory Supervisor)
 NATA Accredited Laboratory Number: 21427
 Date of Issue: 5/02/2025
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH25-00070-Q01
Client Sample ID: 113891
Date Sampled: 21/01/2025
Source: BRUNY ISLAND (TASMANIA)
Material: FINS/SAND/FINE/BRUNY ISLAND (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: E-MGA : 519883 ; N-MGA : 5190441
Lot Number: CLOUDY BAY

Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 5/02/2025

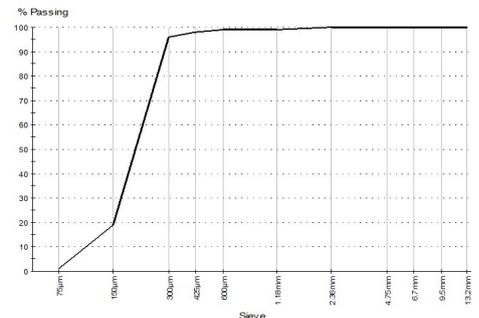
Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	99	
600µm	99	
425µm	98	
300µm	96	
150µm	19	
75µm	1	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.7	
Date Tested		5/02/2025	

Chart



Comments

Heidelberg Materials Hobart Laboratory sample number : H25/0041
 Approximately 10% fine organic matter / roots observed in sample

Material Test Report

Report No: MAT:MNH25-00071-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH25-00071-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 5/02/2025
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH25-00071-Q01
Client Sample ID: 113892
Date Sampled: 21/01/2025
Source: BRUNY ISLAND (TASMANIA)
Material: FINS/SAND/FINE/BRUNY ISLAND (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: E-MGA : 526698 ; N-MGA : 5206716
Lot Number: BRUNY ISLAND NECK

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.3	
Date Tested		5/02/2025	

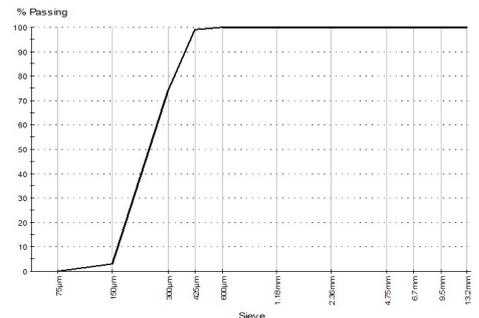
Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 5/02/2025

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	99	
300µm	74	
150µm	3	
75µm	0	

Chart



Comments

Heidelberg Materials Hobart Laboratory sample number : H25/0042
 1 x 7mm diameter x 120mm long stick observed in bulk sample (not included in test split)

Material Test Report

Report No: MAT:MNH25-00072-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH25-00072-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.



Approved Signatory: David Gardiner (Laboratory Supervisor)
 Laboratory Number: 21427
 Date of Issue: 13/02/2025
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Sample Details

Sample ID: MNH25-00072-Q01
Client Sample ID: 113893
Date Sampled: 21/01/2025
Source: BRUNY ISLAND (TASMANIA)
Material: FINS/SAND/FINE/BRUNY ISLAND (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: E-MGA : 529338 ; N-MGA : 5211574
Lot Number: HIGHWAY B66 : ROAD CUT

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.2	
Date Tested		13/02/2025	

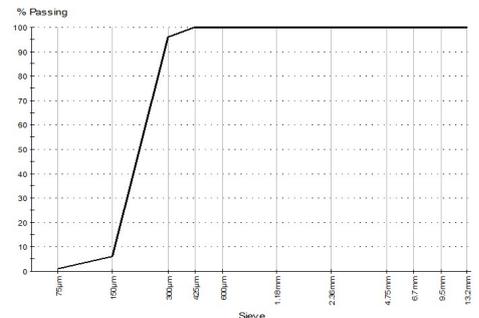
Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 13/02/2025

Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	100	
600µm	100	
425µm	100	
300µm	96	
150µm	6	
75µm	1	

Chart



Comments

Heidelberg Materials Hobart Laboratory sample number : H25/0043

Material Test Report

Report No: MAT:MNH25-00073-Q01

Issue No: 1

This report replaces all previous issues of report no 'MAT:MNH25-00073-Q01'.

Client: MINERAL RESOURCES TASMANIA
 30 GORDONS HILL ROAD
 ROSNY PARK TAS 7018

Project: QA TESTING - SAND ANALYSIS



Accredited for compliance with ISO/IEC 17025 - Testing.
 Results relate only to the items tested/sampled.

David Gardiner
 Approved Signatory: David Gardiner (Laboratory Supervisor)

NATA Accredited Laboratory Number: 21427
 Date of Issue: 13/02/2025
 THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample ID: MNH25-00073-Q01
Client Sample ID: 113894
Date Sampled: 21/01/2025
Source: BRUNY ISLAND (TASMANIA)
Material: FINS/SAND/FINE/BRUNY ISLAND (TASMANIA)
Sampled From: Sand Pit
Sampling Method: Sample submitted by client
Specification: SR - Fine Aggregate
Location: E-MGA : 531581 ; N-MGA : 5212494
Lot Number: Q.E. TRACK

Particle Size Distribution

Method: Grading [AS 1141.11.1]
Drying By: Hotplate
Date Tested: 13/02/2025

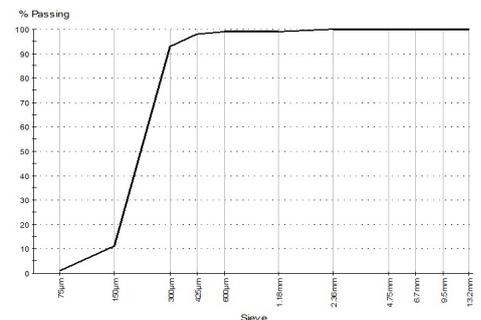
Note: Sample Not Washed

Sieve Size	% Passing	Limits
13.2mm	100	
9.5mm	100	
6.7mm	100	
4.75mm	100	
2.36mm	100	
1.18mm	99	
600µm	99	
425µm	98	
300µm	93	
150µm	11	
75µm	1	

Other Test Results

Description	Method	Result	Limits
Moisture Content [AS 1289.2.1.6]			
Moisture Content (%)		0.3	
Date Tested		13/02/2025	

Chart



Comments

Heidelberg Materials Hobart Laboratory sample number : H25/0044
 Approximately 15% long, fibrous roots and organic matter observed in bulk sample