TABLE D5: MINERALOGICAL DISTRIBUTION OF TIN IN THE TEST PRODUCTS

Test Product	Size Fractions (µm)	Cyclosizer	Tin Distribution (%) in Product — Tin in Cassiterite Liberated	Locked	Total	Tin in Stannite Liberated	Locked	Total
Sulphide Ro Concentrate	-75 +38		2.4	1.4	3.8	10.2	2.6	12.8
	-38 +30	C1	3.7	1.7	5.4	4.2	2.2	6.4
	-30 +22.3	C2	3.3	1.1	4.4	2.3	1.2	3.5
	-22.3 +15.7	C3	4.2	0.9	5.1	4.4	0.6	5.0
	-15.7 +10.3	C4	5.1	0.4	5.5	2.8	0.1	2.9
	-10.3 + 8.0	C5	4.7	(-)	4.7	2.1	0.1	2.2
	- 8.0	-C5	(26.0)	(-)	(26.0)	(12.3)	(-)	(12.3)
	Total Product		(49.4)	(5.5)	(54.9)	(38.3)	(6.8)	(45.1)
Tin Ro Concentrate	-75 +38		17.8	8.8	26.6	-	-	-
	-38 +32.5	C1	33.8	8.4	42.2	-	-	-
	-32.5 +24.2	C2	5.8	2.1	7.9	-	-	-
	-24.2 +17.0	C3	6.9	1.3	8.2	-	-	-
	-17.0 +11.2	C4	5.9	0.4	6.3	-	-	-
	-11.2 + 8.7	C5	2.4	0.1	2.5	-	-	-
	- 8.7	-C5	(6.3)	(-)	(6.3)	(-)	(-)	(-)
	Total Product		(78.9)	(21.1)	(100.0)	(-)	(-)	(-)
Tin Ro Tail	Total Product*		(-)	(98.0)	(98.0)	(-)	(2)	(2)
	Calculated Head		(65.0)	(32.9)	(97.9)	(1.5)	(0.6)	(2.1)

Test Product	Size Fractions (µm)	Cyclosizer	Tin Distribution (%) Between Products — Tin in Cassiterite Liberated	Locked	Total	Tin in Stannite Liberated	Locked	Total
Sulphide Ro Concentrate	-75 +38		0.09	0.06	0.15	0.40	0.10	0.50
	-38 +30	C1	0.14	0.07	0.21	0.16	0.09	0.25
	-30 +22.3	C2	0.13	0.04	0.17	0.09	0.05	0.14
	-22.3 +15.7	C3	0.17	0.03	0.20	0.17	0.03	0.20
	-15.7 +10.3	C4	0.20	0.02	0.22	0.11	(-)	0.11
	-10.3 + 8.0	C5	0.18	(-)	0.18	0.08	0.01	0.09
	- 8.0	-C5	(1.03)	(-)	(1.03)	(0.48)	(-)	(0.48)
	Total Product		(1.94)	(0.22)	(2.16)	(1.49)	(0.28)	(1.77)
Tin Ro Concentrate	-75 +38		14.5	7.2	21.7	-	-	-
	-38 +32.5	C1	27.0	6.7	33.7	-	-	-
	-32.5 +24.2	C2	4.5	1.7	6.2	-	-	-
	-24.2 +17.0	C3	5.5	1.0	6.5	-	-	-
	-17.0 +11.2	C4	4.7	0.3	5.0	-	-	-
	-11.2 + 8.7	C5	1.9	0.1	2.0	-	-	-
	- 8.7	-C5	(5.0)	(-)	(5.0)	(-)	(-)	(-)
	Total Product		(63.1)	(17.0)	(80.1)	(-)	(-)	(-)
Tin Ro Tail	Total Product*		(-)	(15.7)	(15.7)	(-)	(0.3)	(0.3)
	Calculated Head		(65.0)	(32.9)	(98.0)	(1.5)	(0.6)	(2.1)

*The rougher tail was not examined mineralogically. For this calculation it is assumed that this product contains the same proportion of cassiterite and stannite as the two concentrates and that all of the tin minerals are locked.