

ILMENITE

TYPE SAM+ SPECIFICATION



Titanium minerals

PARTICLE SIZE

Micron	Mesh	Guaranteed Retained (%)	Typical Retained (%)
425	40	0 ~ 1	0.12
300	50	0 ~ 1	0.48
250	60	0 ~ 5	1.02
212	70	0 ~ 8	2.06
180	80	5 ~ 20	9.76
150	100	25 ~ 55	39.64
125	120	25 ~ 55	34.96
106	140	2 ~ 20	8.32
090	170	0 ~ 8	2.46
Pan		0 ~ 5	1.18

CHEMICAL ANALYSIS

Elements	Guaranteed (%)	Typical (%)
TiO ₂	46.0 Min	47.02
Fe ₂ O ₃	17.0 Max	15.20
FeO	30.0 Min	34.20
Al ₂ O ₃	1.00 Min	0.340
SiO ₂	1.50 Min	0.780
P ₂ O ₅	0.10 Max	0.092
V ₂ O ₅	0.25 Max	0.210
Cr ₂ O ₃	0.08 Max	0.061
Nb ₂ O ₅	0.10 Max	0.058
MnO	2.00 Max	1.022
MgO	0.80 Max	0.460
U (ppm)	30 Max	5
Th (ppm)	50 Max	20

MINERALOGICAL ANALYSIS

Minerals	Guaranteed (%)	Typical (%)
Ilmenite	Min 98.00 %	98.80
Garnet	Max 01.50 %	01.12
Others	Max 00.50 %	00.08

