

CHEMICAL ANALYSIS**MINERAL CONTENTS****ILMENITE**Min. 54% to min. 63% TiO₂

Ilmenite 90% - 96%

CONCENTRATENone to max. 3% Al₂O₃

Rutile/Leucoxene 0.5% - 4%

Max. 2 SiO₂

Zircon 0.1% - 0.5%

None to max. 2% Cr₂O₃**RUTILE**Min. 94% TiO₂

Rutile 92% - 97%

CONCENTRATEMax 0.6% Al₂O₃

Leucoxene 3% - 7%

Max 1.5% to 2.8% Fe₂O₃

Zircon 0.2% - 1.5%

Max. 1.5% SiO₂**ZIRCON**Min. 65% ZrO₂ + HfO₂

Zircon 98% - 99%

CONCENTRATE/Max. 0.2% to 0.4%TiO₂

Rutile/Ilmenite 0.1% - 0.3%

ZIRCON FLOURMax 1% to 2% Al₂O₃Max 1% Fe₂O₃**STAUROLITE**Min. 45.5% Al₂O₃+TiO₂

Staurolite 81% - 86%

CONCENTRATE

Max. 27% to 29% SiO

Kyanite/Silimenite 0.5% - 1.5%

Ilmenite 5% - 7%

Zircon 1% - 1.5%

KYANITE/Min. 57% Al₂O₃

Kyanite/Sillimanite 93% - 94%

SILIMANITEMax 1.2% to 2.5% TiO₂

Rutile/ilmenite 1% - 2%

CONCENTRATEMax. 0.8% Fe₂O₃

Zircon 1% - 1.5%

& FLOUR

Quartz 1% - 3%