



STAUROLITE CONCENTRATE

Specification

Manufacturer: Volnogorsk Mining and Processing Plant

Origin: Ukraine

Other name: staurolite sand, staurolite

CAS number: 12181-56-8

HS code: 2617900000

End application: additive for slag fluidifying in open-hearth furnaces

Chemical analysis:

Name	Content, %
AL ₂ O ₂ +TiO ₂	min. 45.5
SiO	max. 29
Th+U	max. 70 ppm
Moisture	max. 0.5

Minerals:

Name	Content, %
Staurolite	81-86
Kyanite-sillimanite	0.5-1.5
Ilmenite	5.0-7.0
Zircon	1.0-1.5
Turmaline	7.0-10.0
Quartz	0.1-0.5

Physical description and properties:

Terms of storage	unlimited
Appearance	from brown to black free running sand
Grain shape	irregular angle
Specific gravity	3600 - 3750 kg/m ³
Bulk density	1980 - 2040 kg/m ³
Grain size	63-200 μm
Flammability	nonflammable
Solubility in water	insoluble
Angle of friction	32
Hardness	7-7.5