



Radarweg 29
1043NX Amsterdam
The Netherlands

RUTILE FLOUR

Specification

Manufacturer: Volnogorsk Mining and Processing Plant

Origin: Ukraine

Other name: powdered rutile, rutile

CAS number: 1317-80-2

HS code: 2614009000

End application: production of welding electrodes, pigment titanium dioxide, titanium sponge and metal titanium

Chemical analysis:

Name	Content, %
TiO ₂	min. 94
Al ₂ O ₃	max. 0.6
Fe ₂ O ₃	max. 2.8
SiO ₂	max. 1.5
ZrO ₂	max. 1.0
P ₂ O ₅	max. 0.07
SO ₃	max. 0.05
Cr ₂ O ₃	max. 0.2
V ₂ O ₅	max. 0,4
CaO	max. 0,05
U+Th	max. 70 ppm
Moisture	max. 0.5

Minerals:

Name	Content, %
Rutile	92-97
Leucoxene	3.0-7.0
Zircon	0.2-1.5
Ilmenite	0.5-5.0
Kyanite	0.1-0.5
Quartz	0.1-0.2

Physical description and properties:

Terms of storage	unlimited	
Appearance	brown odorless powder	
Melting point	1850 °C	
Specific gravity	4050 - 4200 kg/m ³	
Particle size	200 mesh	325 mesh
	97% less than 63µm	98% less than 45µm
Flammability	nonflammable	
Solubility in water	insoluble	

FLOUR 200 MESH	
Sieve aperture, µm	Cumulative retained, %
+63	max 3
+40	max 10
+20	max 25
+5	max 60

FLOUR 325 MESH	
Sieve aperture, µm	Cumulative retained, %
+45	max 2
+30	max 6
+20	max 10
+5	max 40

www.lemcore.com

info@lemcore.com

+31 20 244 1648