

YTOC

UNITED
W O L F R A M

YELLOW TUNGSTEN OXIDE

TECHNICAL DATA SHEET

CAS NO : 1314-35-8

TUNGSTEN (VI) OXIDE (WO₃)

PHYSICAL ANALYSIS :

COLOUR : CANARY YELLOW-GREEN
IGNITION : 100 % SARTORIUS GERMANY (NO LOSS)
APPERENCE: POWDER FORM
PARTICLE SIZE: < 100 NM (TEM)
W PARTICLE SIZE : 1.5 M (AFTER REDUCTION)
TUNGSTEN METAL AFTER REDUCTION : 79.3 %
DENSITY : 1.95 gm/cm³ - 3.48 g/cm³ at 25 °C (lit.)
MELTING POINT :1473 °C, 1746 K, 2683 °F
FLASH POINT : NON-FLAMMABLE

CHEMICAL ANALYSIS :

M.W : 231.84 gm/mol

PARAMETERS	SPECIFICATION
Al	< 15 ppm
As	< 10 ppm
Ca	< 30 ppm
Cr	< 20 ppm
Fe	< 60 ppm
K	< 30 ppm
Mg	< 30 ppm
Mo	< 250 ppm
Na	< 50 ppm
Ni	< 20 ppm
Si	< 40 ppm
Cu	< 10 ppm
Mn	< 30 ppm
Co	< 10 ppm
Sn	< 15 ppm

PACKING : 100 % VERGINE HIGH DENSITY BAGS 20 KG, 30 KG, 50 KG IN HDPE DRUMS

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