THAKADU™

PRODUCT SPECIFICATION

IXS-PUREPLUS

BATTERY GRADE NICKEL SULPHATE
$NiSO_4 \cdot 6H_2O$

APPEARANCE: Blue-green crystals

Thakadu Nickel Purification Plant:
Marikana, Rusternburg, South Africa.

Nickel Sulphate Hexahydrate (NiSO4.6H2O) –
HIGH PURITY (IXS-PurePlus)

Component	Specification (Max %)	Unit
Ni	≥22.25	%
Al	≤0.0001	%
As	≤0.0001	%
B	≤0.0001	%
Ca	≤0.0005	%
Cd	≤0.0001	%
Cl	≤0.0030	%
Co	≤0.0010	%
Cr	≤0.0001	%
Cu	≤0.0001	%
Fe	≤0.0001	%
K	≤0.0005	%
Li	≤0.0001	%
Mg	≤0.0007	%
Mn	≤0.0001	%
Na	≤0.0030	%
P	≤0.0001	%
Pb	≤0.0001	%
Se	≤0.0001	%
Si	≤0.0005	%
Sn	≤0.0001	%
Zn	≤0.0001	%
TOC	<50	ppm
Oil (OIW)	<10	ppm
Magnetic Impurity (MI)	<60	ppb (fe, Zn & Cr)
Insoluble in Water	<100	ppm
pH	5.0 – 7.0	pH



PRODUCT INFORMATION

Battery-grade nickel sulphate, sustainably produced in South Africa as a by-product of PGM refining operations.

Packaging:
- 1 mt big bag wrapped on pallet.
- 500kg big bag wrapped on pallet.
- 25kg bag, wrapped 1000kg on pallet.

Thakadu Production:
- ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018 Certified.
- Produced under a strict quality management system at our Marikana, Rustenburg plant, South Africa.

Carbon footprint:
2.82 kg CO2 eq/ kg of NiSO4.6H20

KEY APPLICATIONS

01 BATTERY INDUSTRY
Supporting the transition to a cleaner energy future.

02 PLATING INDUSTRY
Reliable performance for high quality finishes.

03 CHEMICAL INDUSTRY
Enabling innovation across industrial processes.

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