

Vanadium Electrolyte Solution 1.6 M

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Formula

A) VOSO_4 ; B) $\text{V}_2(\text{SO}_4)_3$

Grade

Chemically pure

Appearance

Blue-green solution

Application

ENERGY STORAGE

Used for Vanadium-Redox-batteries.

Packaging

PE canister 60 l

PE container 1000 l

Other packing on request.

ADR/RID, IMDG, ICAO/IATA class 6.1
(class 8)

UN no. 3289

Chemical Analysis in wt%

V	5.5 – 6.5
SO_4^{2-}	26 – 30
PO_4^{3-}	0.3 – 0.5
Fe	≤0.030
K	≤0.0040
Na	≤0.0040

Other elements on request.

Physical Properties

Aqueous solution

V³⁺ 50 – 52 %

V⁴⁺ 48 – 50 %
of total Vanadium

Density: 1.3 – 1.4 kg/l

Molecular weight:

A) 163.01 g/mol

B) 390.06 g/mol