

Redox-Flow Vanadium V3.5

Catlog Number: BME-0067

• Description

Standard vanadium redox flow battery (VRFB) electrolyte with optimized proton concentration for high energy density grid-scale storage.

• Basic Information

Main Salt: VOSO₄

Salt Concentration: 1.6 M

Solvent Ratio (Vol%): H₂SO₄ (3.0M)

Additive 1: N/A

Additive 2: N/A

Appearance: Blue-Green Liquid

Water Content (KF): N/A (Aqueous)

Free Acid (as HF): N/A

Density (25°C): 1.35-1.45 g/cm³

Conductivity (25°C): 250-350 mS/cm

Viscosity (25°C): 2.5-5.0 mPa·s

Chloride (Cl⁻): ≤ 50 ppm

Sulfate (SO₄²⁻): Main Anion

Iron (Fe) Content: ≤ 10 ppm

Sodium (Na) Content: ≤ 50 ppm

Potassium (K) Content: ≤ 50 ppm

Operating Voltage: 1.2 - 1.6 V

Operating Temp: 5 to 45°C

Flash Point: Non-flam

Solid Content: ~35 wt%

Refractive Index: 1.39-1.45


Turbidity: ≤ 10 NTU

Color (APHA): N/A

Packaging: Poly Drum

• Storage

RT

 For Research or Industrial Raw Materials, Not For Personal Medical Use!