

## VRB Electrolyte



### CHEMISTRY

Major Elements	
Total Vanadium (V)	6 - 8%
Vanadium Molarity	1.7
Vanadium Valence	3.5 max.
Sulfuric Acid Molarity	4 - 5
Iron (Fe)	0.03% max.


### PHYSICAL CHARACTERISTICS

Physical Properties	
<b>Bulk Density:</b>	11.3 - 12.5 lb/gal
<b>Specific Gravity:</b>	1.35 - 1.50 g/cc
Appearance	
Blue-Green Viscous Solution	
Standard Packaging	
<b>Totes:</b> 330-gallon Polyethylene IBC Containers.	

**VRB Electrolyte** is a high-purity product used in vanadium redox batteries (VRB) as an energy storing liquid. VRB Electrolyte is produced at our ISO 9001:2015 certified Hot Springs, Arkansas facility.

This specification is for US Vanadium's standard VRB Electrolyte. Other Electrolyte compositions can be made to meet specific customer needs upon request.

**Specification No. MC21 Revision No. 2**  
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Director of Technology Approval   
 Quality Manager Approval 