

Application

This is a precision milled product for VRLA and/or TMF technology lead-acid batteries. This product is manufactured to contain low levels of impurities that cause parasitic reactions which result in self discharge and gassing.

Physical Properties

PARTICLE SIZE DISTRIBUTION

Particle Size @ 50%.....	3.4 to 4.0 μm
Percent $\leq 2\mu\text{m}$	20
Percent $\leq 1\mu\text{m}$	10

Trace Impurities

Element	% By Weight
Al	≤ 0.0002
Sb	≤ 0.0001
As	≤ 0.0001
Bi	≤ 0.0050
Cd	≤ 0.0006
Cr	≤ 0.0002
Co	≤ 0.0001
Cu	≤ 0.0004
Fe	≤ 0.0007
Mn	≤ 0.0002
Ni	≤ 0.0001
Pt	≤ 0.0005
Ag	≤ 0.0015
Te	≤ 0.00003
Zn	≤ 0.0006

Chemical Composition

Element	Range
Pb ₃ O ₄ (red lead)	99.45% minimum
Orthorhombic PbO	88% minimum
Pb (free lead)	0.10% maximum
Pb ₃ O ₄	0.05% maximum
PbCO ₃ or Pb (OH) ₂	0.3% maximum
Moisture content	0.1% maximum

Packaging
500 lb. / 226.8 kg Steel drums
2,000 lbs. / 907.19 kg Super sacks
Special packaging may be available upon request

Note:

This bulletin illustrates typical values for this product. Trace impurities are listed at maximum values, although most impurities typically test at or below 0.0001%. If specific characteristics are required that are different from these values, please contact a service representative.



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