

HAMMOND 25% RED LEAD

ULTRA HIGH PURITY BATTERY GRADE TECHNICAL DATA

APPLICATIONS

This material is produced for use in stand-by battery plates where precise float current control is required. The extremely low trace element content reduces the deposition of depolarizing metals on the negative electrode thereby assuring that float currents remain constant and gassing is minimized over the life of the battery.

PHYSICAL PROPERTIES

Color	Orange/Red
Form	Powder
Density	9.35 - 9.45 g/cm ³
Apparent Density	19 - 25 g/in ³
Acid Absorption	170 - 200 mg/g
Median Particle Size	3.0 μM (typical)
Screen Analysis (U.S. Standard Sieve)	99.5% <325 mesh

CHEMICAL COMPOSITION

Pb₃O₄ (Red Lead)	21.5% - 28.5%
PbO (Litharge)	69% - 76%
Pb (Free Lead)	2.5% maximum

TRACE ELEMENTS

Element	Maximum %	Typical %
Iron	0.0015	0.0005
Zinc	0.0006	0.0004
Copper	0.0004	0.0003
Silver	0.0015	0.0006
Bismuth	0.0300	< 0.0050
Arsenic	0.0009	< 0.0005
Antimony	0.0009	< 0.0005
Tin	0.0009	< 0.0005
Nickel	0.0006	< 0.0004
Tellurium	0.0006	< 0.0004
Thorium	0.0006	< 0.0004
Cadmium	0.0006	< 0.0004
Cobalt	0.0002	< 0.0001
Chromium	0.0002	< 0.0001
Manganese	0.0002	< 0.0001
Selenium	0.0002	< 0.0001

PACKAGING

500 lb. 28-gallon steel drums
600 lb. 28-gallon steel drums
Pneumatic bulk trailer

NOTES

This data sheet illustrates typical values for this product. If specific characteristics are required that are different from these values or if custom packaging is required, please contact your area sales representative.

HAMMOND
THE CHANGE CATALYST®

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