

HAMMOND 75% RED LEAD

STANDARD BATTERY GRADE TECHNICAL DATA

APPLICATIONS

This material is produced for use in the positive plates of tubular traction batteries and as an additive to the plates of other lead-acid batteries to improve formation charging and initial capacity.

PHYSICAL PROPERTIES

Color	Red
Form	Powder
Density	9.10 - 9.20 g/cm ³
Apparent Density	16 - 24 g/in ³
Acid Absorption	200 - 235 mg/g
Median Particle Size	2.2 - 3.2 μM
Screen Analysis (U.S. Standard Sieve)	99.9% <325 mesh

CHEMICAL COMPOSITION

Pb₃O₄ (Red Lead)	72% - 80%
PbO (Litharge)	20% - 28%
Pb (Free Lead)	1.0% maximum

TRACE ELEMENTS

Element	Maximum %
Iron Oxide	0.0050
Zinc Oxide	0.0010
Copper Oxide	0.0015
Silver	0.0050
Bismuth Oxide	0.0250
Arsenic Oxide	0.0005
Antimony Trioxide	0.0005
Tin Oxide	0.0005
Nickel	0.0003
Tellurium	0.0003
Cadmium	0.0003
Cobalt	0.0003
Chromium	0.0003
Manganese	0.0003
Selenium	0.0003

PACKAGING

50 lb. paper bags
500 lb. 28-gallon steel drums
2,000 lb. bulk bags
1,000 kg bulk bags
Pneumatic bulk trailer

NOTES

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

HAMMOND
THE CHANGE CATALYST®

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