

### Certificate of Analysis

**Product: Manganese Chloride Crystal**

**Item Number: C5150**

**Grade: ACS**

**Lot Number: 240923-M**

**Manufacture Date: 08/02/2024**

**Expiration Date: 08/01/2029**

**Country of Origin: United States**

Tested Property	Specification	Analysis
Assay	98.0 - 101.0%	99.0
pH of a 5% Soln. @ 25°C	3.5 - 6.0	4.2
Insoluble Matter	</=0.005%	<0.005
Sulfate	</=0.005%	0.0045
Calcium	</=0.005%	<0.005
Magnesium	</=0.005%	<0.005
Potassium	</=0.01%	0.008
Sodium	</=0.05%	0.03
Zinc	</=0.005%	0.004
Heavy Metals (as Pb)	</=5 ppm	3
Iron	</=5 ppm	1

#### [Manganese Chloride Crystal](#)

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Phone: 512-668-9918, Fax: 512-886-4008,

E-mail: [customercare@laballey.com](mailto:customercare@laballey.com),

[www.laballey.com](http://www.laballey.com),

12501 Pauls Valley Road, Suite A, Austin, Texas 78737.

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