

Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs 5386 Majestic Parkway, Suite 7, Bedford Heights, OH 44146 www.gojirafc.com • sales@gojirafc.com

Certificate of Analysis

Manganese Dilron Oxide

Catalog Number:	MD1001
Lot Number:	0522903
CAS Number:	12063-10-4
Molecular Formula:	MnFe ₂ O ₄
Molecular Weight:	230.63
Storage:	15°C – 30°C
Date of Manufacture:	April 23, 2019
Retest Date:	April 22, 2021

Test	Specification	Result
Appearance	Brown-dark brown to black powder	Conforms
Assay	≥ 99.5%	99.5%
Barium	≤ 0.003%	0.0003%
Calcium	≤ 0.15%	0.09%
Cobalt	≤ 0.01%	0.0092%
Chromium	≤ 0.003%	0.0025%
Copper	≤ 0.0025%	0.002%
Magnesium	≤ 0.03%	0.02%
Sodium	≤ 0.18%	0.1%
Strontium	≤ 0.002%	0.0014%
Praseodymium	≤ 0.08%	0.06%
Zinc	≤ 0.05%	0.04%

Approved by:

John grubb

John Grubb, PhD Gojira Fine Chemicals, LLC Quality Manager Tel: 440-539-7033 Fax: 888-211-5523 john@gojirafc.com Date: May 22, 2019