



# NEWAY SINOPHC TECH. LIMITED

ADD:RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI) PILOT FREE TRADE ZONE.  
Email:marketing01@newayphc.com; Phone:+86-021-50350029 <https://www.newayphc.com>

## Certificate of Analysis (COA)

### Product Information

Product Name Manganese Dioxide  
Product Number MNO-20260226  
Batch Number MNO-SH2026022601  
Brand SIGALD  
CAS Number 1313-13-9  
MDL Number MFCD00011169  
Formula  $MnO_2$   
Formula Weight 86.94 g/mol

Quality Release Date 26 FEB 2026

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Black	Black	-	Visual Inspection
Appearance (Form)	Powder	Fine powder	-	Visual Inspection
Purity ( $MnO_2$ )	$\geq 90.0\%$	92.5%	%	Titration Method
Manganese (Mn) Content	60.0-63.0%	61.8%	%	Atomic Absorption Spectrometry (AAS)
Moisture Content	$\leq 1.0\%$	0.6%	%	Karl Fischer Titration
Iron (Fe)	$\leq 0.5\%$	0.3%	%	Spectrophotometry
Heavy Metals (Pb)	$\leq 0.002\%$	0.001%	%	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	$\leq 0.001\%$	0.0005%	%	Atomic Fluorescence Spectrometry (AFS)
Water Insoluble Matter	$\leq 0.5\%$	0.3%	%	Gravimetric Method
Acid Insoluble Matter	$\leq 0.3\%$	0.2%	%	Gravimetric Method

**Certification** This batch of product has been tested in accordance with industrial standards for manganese dioxide and meets all specified requirements. It is qualified for use.

**Issue Date: 26 FEB 2026**