

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2025-11-03 13:44:56

Date of Next Testing: 2029-11-02 13:44:56

Product Name: **Manganese(II,III) oxide**

CAS Number: 1317-35-7

Specifications & Purity: Mn $\geq$ 71.0%, BET surface Area 5 ~ 7 m²/g

Lot #: J2523200

SKU #: **S59771**

Version: **0**

Analysis #: **601805**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
K ₂ O	0-0.005 (%)	0.00 %
Sulfur(S)	0-0.05 (%)	0.00 %
Silicon dioxide (SiO ₂)	0-0.01 (%)	0.00 %
Water by Karl Fischer	0-0.5 (%)	0.10 %
Specific surface area (BET)	5-7 (m ² /g)	6.25 m ² /g
Mn(Complexometric EDTA)	71-100 (%)	71.44 %
Fe ₂ O ₃	0-0.7 (%)	0.10 %
Calcium oxide (CaO)	0-0.01 (%)	0.00 %
Na ₂ O	0-0.005 (%)	0.00 %
MgO	0-0.01 (%)	0.00 %
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
Appearance(S59771)	brown powder	brown powder

Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zhu

