

CERTIFICATE OF ANALYSIS (COA)

Manganese Carbonate (MnCO_3) — Fertilizer Production Grade

Manufacturer: BTL New Material

Website: manganesesupply.com

Product Name: Manganese Carbonate (MnCO_3)

CAS No.: 598-62-9

Chemical Formula: MnCO_3

Application: Raw material for fertilizer production, micronutrient formulation & compound fertilizer blending

Batch Information

Item	Detail
Batch / Lot No.	__25120101__
Production Date	__2025/9/25__
Inspection Date	__2025/10/9__
Country of Origin	China
Packaging	25 kg bags / 1000 kg jumbo bags

TEST RESULTS

Parameter	Specification	Test Result	Test Method
Mn Content (as Mn)	$\geq 31.0 \%$	31.7 %	Chemical analysis
MnCO_3 Purity	$\geq 98.0 \%$	98.3 %	Chemical analysis
Moisture Content	$\leq 0.5 \%$	0.40 %	Loss on drying
Fe (Iron) Content	$\leq 0.02 \%$	0.008 %	ICP-OES
Pb (Lead)	$\leq 0.005 \%$	0.002 %	ICP-OES
As (Arsenic)	$\leq 0.005 \%$	<0.003 %	ICP-OES
Cd (Cadmium)	$\leq 0.002 \%$	<0.001 %	ICP-OES
Particle Size	40 - 100 μm (custom)	50 - 90 μm	ISO / Sieve

Conclusion

The above batch of Manganese Carbonate (MnCO_3) complies with the specified quality requirements for fertilizer production applications, exhibiting high Mn content, controlled impurities, and good processing properties.

☒ PASS – Product is suitable for fertilizer manufacturing use.

Authorized By: _____lipan_____

Date: __2025/10/5_____

Signature & Company Stamp

