



## CERTIFICATE OF ANALYSIS

Date: 18/09/17

**PRODUCT NAME : MANGANESE CARBONATE**  
(Manganous Carbonate)

**CAS No** : 34156-69-9  
**Mol. Formula** :  $\text{MnCO}_3$   
**Mol. WT** : 114.95  
**Exp.** : Aug. 2022

**Product code** : 15588  
**Batch No** : MCR-14348  
**Mfd.** : Sept. 2017

| S. R | Test                       | Specification | Observation |
|------|----------------------------|---------------|-------------|
| 1    | Manganese (Mn)             | 42 – 46%      | 45.03 %     |
| 2    | Acid insoluble matter      | 0.05% max     | 0.01%       |
| 3    | Chloride (HCl)             | 0.05% max     | <0.05%      |
| 4    | Sulphate ( $\text{SO}_4$ ) | 0.1% max      | <0.1%       |
| 5    | Iron (Fe)                  | 0.01% max     | <0.01%      |

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

HEAD-QUALITY ASSUARANCE  
(G.G.Salian)

**Note:** Computer generated image requires no sign.

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