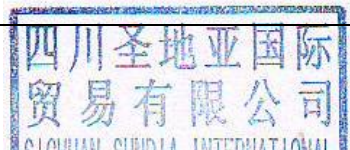




CERTIFICATE OF ANALYSIS

| | | | |
|--------------------------|--|------------------------|--------------|
| COMMODITY: | MONO MANGANESE SULPHATE | LOT NO: | 202007 |
| GRADE: | TECH GRADE | MANUFACTURING DATE: | AUG 17, 2020 |
| QUANTITY: | | REPORT DATE: | AUG 17, 2022 |
| ITEMS | | SPECIFICATION | RESULTS |
| MnSO4.H2O | | ≥98.0% | 98.65% |
| Mn | | ≥31.8% | 32.07% |
| Pb | | ≤0.0015% | 0.0008% |
| As | | ≤0.0005% | 0.0001% |
| Fe | | ≤0.004% | 0.0025% |
| Co | | ≤150PPM | 80PPM |
| Ni | | ≤100PPM | 60PPM |
| Cd | | ≤5 PPM | 1PPM |
| Hg | | ≤0.1 PPM | 0.01PPM |
| CHLORIDE | | ≤0.005% | 0.0023% |
| MOISTURE | | ≤0.3% | 0.21% |
| FINENESS (-250µm screen) | | ≥95% | 99.56% |
| CONCLUSION: | PASS | | |
| REMARKS: |  | | |