

### CERTIFICATE OF ANALYSIS

Product name	Ferrous gluconate (CAS 12389-15-0)	Product Execution Standards	GB1903.10-2015	
Batch No	23061301	Production Date	2023.06.13	
Quantity	12 mt	Analysis Date	2023.06.13	
Test item	Requirement	Inspection method	Inspection value	Result
Color	Grey yellow or light yellow green	Take an appropriate amount of the sample and place it in a white, clean, and dry container. Observe its color, state, and odor under natural light.	Grayish yellow	√
texture	Crystalline powder or particles		Crystalline powder	√
smell	Has a caramel like odor		Caramel like odor	√

### Physical And Chemical Indicators

Item	Specification	Data	Inspection basis	Result
Ferrous gluconate (C <sub>12</sub> H <sub>22</sub> FeO <sub>14</sub> ) Content (On a dry basis) w%	97.0-102.0	98.6	GB 1903.10-2015	√
Lossondryin, w%	≤10.0	8.2	GB 5009.3	√
Fe ( III) ( calculate with Fe <sup>3+</sup> ) w%	≤2.0	0.8	GB 1903.10-2015	√
Reducing substances	Passed the test	Passed the test	GB 1903.10-2015	√
sulfate ( calculate with SO <sub>4</sub> ) w%	≤ 0.1	<0.1	GB 1903.10-2015	√
Lead (Pb) mg/kg	≤2.0	<2.0	GB 5009.12	√
Arsenic ( calculate with As ) mg/kg	≤2.0	<2.0	GB 5009.11	√
Conclusion	Qualified			

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