



Certificate of Analysis

Product name	Magnesium aspartate dihydrate	CAS No.:	215533-00-9
Package:	25kg/drum	Quantity:	1000kg
MFG Date:	2025/07/12	EXP Date:	2027/07/11
Batch No.:	MAD25071206	Standard:	EP11、USP47

Item	Specification	Results	Test method
Character	White or almost white crystalline powder	White crystalline powder	EP11
Identification	Pass the test	Pass the test	EP11
Loss on drying	10.0% ~ 14.0%	10.3%	EP11
Magnesium aspartate %	98.0% ~ 102.0%	99.1%	EP11
Sulfates	≤ 500 ppm	< 500 ppm	EP11(2.4.13)
Ammonium	≤ 200 ppm	< 200 ppm	EP11(2.4.1)
Ninhydrin-positive substances	Pass the test	Pass the test	EP11(2.2.27)
Chloride	≤ 200 ppm	< 200 ppm	EP11(2.4.4)
pH	6.0 ~ 8.0	7.88	EP11(2.2.3)
Specific optical rotation	+22.0° ~ +24.0°	+22.4°	EP11(2.2.27)
Heavy metals	≤ 10 ppm	< 10 ppm	EP11
Iron	≤ 50 ppm	< 50 ppm	EP11(2.4.9)
Total plate count	≤ 1000 cfu/g	< 1000 cfu/g	USP47<2021>/<2022>
Total Yeast & Mold	≤ 100 cfu/g	< 100 cfu/g	USP47<2021>/<2022>
Staphylococcus aureus	Negative	Negative	USP47<2021>/<2022>
Salmonella	Negative	Negative	USP47<2021>/<2022>
Escherichia coli	Negative	Negative	USP47<2021>/<2022>

