

Certificate of Analysis

Product Information

Product Name	Pantothenic Acid (Calcium D-Pantothenate)		
CAS No.	137-08-6	Report Number	PAP20221126
Batch Number	PAP221101	Manufacture Date	2022/11/01
Batch Quantity	200Kg	Expiry Date	2024/10/31

Test Items	Test Standard	Test Result
Appearance	White Powder	Conforms
Identification	(1) According to the inspection method, it should be blue-purple	Conforms
	(2) According to the inspection method, it should be bright yellow	Conforms
	(3) Consistent with the reference samples spectrum	Conforms
	(4) The identification reaction of calcium salts	Conforms
Calcium	8.2 ~ 8.6	8.40%
Nitrogen	5.7 ~ 6.0	5.78%
Specific Optical Rotation	+25.0°~ +28.5°	+27.8°
pH	6.8 ~ 8.0	7.6
State of Solution	Clear Colorless	Conforms
Loss on drying	≤5.0%	2.30%
Heavy Metals	≤0.002%	Conforms
β-Alanine	≤1.0%	Conforms
Methanol	≤0.3%	0.02%
Lead (Pb)	≤0.5ppm	Conforms
Arsenic (As)	≤1.0ppm	Conforms
Cadmium (Cd)	≤0.5ppm	Conforms
Mercury (Hg)	≤0.1ppm	Conforms
Total Aerobic Count	≤100cfu/g	Conforms
Yeast & Moulds	≤10cfu/g	Conforms
E-Coli	Negative	Conforms
Salmonella	Negative	Conforms
Staphylococcus Aureus	Negative	Conforms

Conclusion

Conclusion	To be complied with in-house Specification
Shelf Life	2 years when properly stored.
Storage	Store in cool & dry place, not freeze. Keep away from strong light.

Tested by: 张丽娜

Checker: 李明

Approved:

