

CERTIFICATE OF ANALYSIS

Report Date: Nov. 16, 2021

Product Name: DL-METHIONINE

Quantity: 1000 KGS

Production Date: Nov. 14, 2021

Batch No.: SC03-20211105

Retest Date: Nov. 13, 2023

TEST ITEMS	INSPECTION CRITERION	RESULT
Appearance	White crystals or crystalline powder	Conforms
Identification	A. The IR spectrum is CWRS; B. Complies as per TLC test; C. Specific rotation is $-0.05^{\circ} \sim +0.05^{\circ}$; D. A deep-red colour develops.	Meets the requirements
Appearance of solution	Clear and colourless	Conforms
pH	5.4~6.1	5.8
Related substances	$\leq 0.2\%$	$< 0.2\%$
Chloride(Cl)	$\leq 200\text{ppm}$	$< 200\text{ppm}$
Sulfate(SO ₄)	$\leq 200\text{ppm}$	$< 200\text{ppm}$
Heavy metals(Pb)	$\leq 10\text{ppm}$	$< 10\text{ppm}$
Loss on drying	$\leq 0.5\%$	0.08%
Sulfated ash	$\leq 0.1\%$	0.05%
Assay	99.0%~101.0%	99.2%
Total plate count	$\leq 1000 \text{ CFU/Gram}$	$< 1000 \text{ CFU/Gram}$
Mold & Yeast	$\leq 100 \text{ CFU/Gram}$	$< 100 \text{ CFU/Gram}$
E.Coli	Negative	Conforms
Salmonella	Negative	Conforms
Staphylococcus Aureus	Negative	Conforms

CONCLUSION:

ABOVE ITEMS PASSED TEST ACCORDING TO THE STANDARD OF EP-7.0.

Inspector: 陆丹丹

Checker: 盛亚虹

Director: 浦军平

