

## Certificate of Analysis

Item Number	Product Description	Lot Number
CPB-L22010-500GM	CHEMPURE SDS, Powder, 500 G	226386-247869
Formula	Molecular Weight	CAS Number
C <sub>12</sub> H <sub>25</sub> O <sub>4</sub> SNa	288.4	151-21-3

**QC TEST/RELEASE DATE:** 05/10/2024

**SUGGESTED RETEST DATE:** 03/31/2027

S.No	Test	Unit	Specifications	Test Value
1	Appearance		Fine White Granular Powder	passed
2	Color (APHA)		Report	5
3	Purity	%	≥ 99.5	99.7
4	Moisture	%	< 1.0	0.2
5	pH (1% Solution)		6.0 - 7.5	6.3
6	C12 Alcohol	%	≥ 98.5	99.6
7	Chloride	ppm	≤ 100	< 100
8	Lead	ppm	< 2	< 2
9	Phosphate	ppm	< 1	< 1
10	Heavy Metals	ppm	< 10	< 10
11	Iron	ppm	< 1	< 1
12	Free fatty alcohols	%	< 0.2	0.1
13	Solubility (10% in H <sub>2</sub> O)		Pass	passed
14	Absorbance 230 nm (3% in water)		≤ 0.40	< 0.4
15	Absorbance 260nm (3% in water)		≤ 0.1	< 0.1
16	Absorbance 280nm (3% in water)		≤ 0.05	< 0.05
17	Absorbance 405 nm (3% in water)		< 0.01	< 0.01

18	Clarity of Solution		0.1g in 10 ml of ethanol to be clear, colorless, haze-free and free of particulates	passed
19	Titration Base	meq/g	< 0.06	< 0.06
20	BSE/TSE Free		BSE/TSE Free	passed
21	Country of Origin		Report	Japan

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