

# Certificate of Analysis

Product and Batch Information			
<b>Product Name:</b>	Magnesium L- Threonate	<b>Country of Origin:</b>	P.R. China
<b>CAS No :</b>	778571-57-6	<b>Molecular Weight:</b>	294.5
<b>Molecular Formula:</b>	C <sub>8</sub> H <sub>14</sub> MgO <sub>10</sub>	<b>Batch:</b>	CS-MLT-220626
<b>Manufacture Date:</b>	Jun 26, 2022.	<b>Retested Date:</b>	Jun 25, 2024.

Item	Specification	Result	Test Method
<b>Active Ingredients</b>			
<b>Assay(As Dried Base,%)</b>	95.0%~ 102.0%	99.15%	Titration
<b>Mg ( per 100g)</b>	≥ 8g	8.2g	USP
<b>Physical Control</b>			
<b>Appearance</b>	Fine Powder	Complies	Visual
<b>Color</b>	White to OffWhite	Complies	Visual
<b>Odor &amp;Taste</b>	Characteristic	Complies	Organoleptic
<b>Solubility</b>	Insoluble in methanol, and soluble in water freely	Complies	USP
<b>Identification</b>	Infrared absorption spectrum of test and standard	Complies	IR
	A white precipitate appeared, precipitate insoluble in acetic acid, but soluble in hydrochloric acid	Complies	Ammonium oxalate precipitation
<b>Loss on Drying</b>	2% Max	0.64%	USP
<b>Chemical Control</b>			
<b>Heavy metals</b>	NMT 10 ppm	Conforms	USP
<b>Arsenic (As)</b>	NMT 2 ppm	Conforms	Atomic Absorption
<b>Chlorides</b>	0.5% Max	Conforms	Atomic Absorption
<b>Microbiological Control</b>			
<b>Total Plate Count</b>	1000cfu/g Max	Conforms	AOAC
<b>Yeast &amp; Mold</b>	100cfu/g Max	Conforms	AOAC
<b>E.Coli</b>	Negative	Conforms	AOAC
<b>Salmonella</b>	Negative	Conforms	AOAC
<b>Packing and Storage</b>			
<b>Packing</b>	Pack in paper-drums and two plastic-bags inside. 25kg/Drum		
<b>Storage</b>	Store in a well-closed container away from moisture and direct sunlight.		
<b>Shelf Life</b>	3 years if sealed and stored properly.		