



## Specification of L-GLUTATHIONE (For Health Food)

Analysis Item	Specification
Descriptions	
Appearance	It occurs as white crystals or crystalline powder.
Odor and taste	Almost odorless and tast sour.
Solubility	It is soluble in water.
Identification	
(1) Ninhydrin test	Positive
(2) Lead acetate test	Positive
(3) IR spectrum	It exhibits the absorption at the wavelength of about 3340, 3240, 2520, 1712, 1662 and 1532 $\text{cm}^{-1}$
Optical rotation	$[\alpha]_{\text{D}}^{20} = -15.5 \sim -17.5^{\circ}$
Melting point	About 185°C
Purity test	
(1) Solution	Clear solution
(2) Heavy metals	Not more than 5 ppm
(3) Arsenic	Not more than 1 ppm
(4) Iron	Not more than 5ppm
Loss on drying	Not more than 0.5 %
Residue on ignition	Not more than 0.1 %
Assay	Not less than 98.0 %

Shelf life: 2years

Storage: Store at room temperature without moisture.