



青岛润昌化工有限公司
QINGDAO SAMIN CHEMICAL CO.,LTD.

SPECIFICATION

Product Name	Alpha Lipoic Acid
CAS No	1200-22-2
Molecular Formula	$C_8H_{14}O_2S_2$
Specification Version	USP36
Shelf Life	24months
Package	25kg/drum

ITEM	SPECIFICATION
Appearance	Slightly yellow crystal powder
Assay	99%-101%
Identification	Meets the requirements
Melting point	60-62DC
Specific rotation	-1.0 to +1.0
Loss on drying	$\leq 0.20\%$
Residue on Ignition	$\leq 0.10\%$
Heavy metals	$\leq 10\text{ppm}$
Lead	$\leq 3\text{ppm}$
Cadmium	$\leq 1\text{ppm}$
Mercury	$\leq 0.1\text{ppm}$
Related substance	
Single impurity	$\leq 0.10\%$
Total impurity	$\leq 0.20\%$
Limit of polymer content	Meet the requirement
Residual solvent	
Cyclohexane	$\leq 1000\text{ppm}$
Ethyl acetate	$\leq 250\text{$