

ROCHEM INTERNATIONAL, INC.

45 Rasons Court, Hauppauge, NY 11788
Tel: (631) 738-1188 Toll Free: 1-877-6-Rochem Fax: (631) 738-1199
Web: www.rochemintl.com; E-Mail: Sales@rochemintl.com

PRODUCT SPECIFICATION

ALPHA LIPOIC ACID (POWDER)

Version No: 200003-022

Product Name:	Alpha Lipoic Acid (Thiotic Acid)		
Batch Number:	XXXXXXXXXXXX	Batch Size:	XXXXXXXXXX
Manufactured Date:	XXXXXXXXXX		
Expiry/Expiration/Retest Date:	XXXXXXXXXX		
CAS No.:	1077-28-7		
ITEMS	SPECIFICATIONS		
Appearance:	Yellowish Crystalline Powder		
Odor:	Slight, typical odor		
Identification (NIR):	Pass		
Melting Point:	60.0°C – 62.0°C		
Residue on Ignition:	≤0.10%		
Heavy Metals:	≤5ppm		
Arsenic:	≤3ppm		
Cadmium:	≤2ppm		
Lead:	≤0.5ppm		
Mercury:	≤0.1ppm		
Chloride:	≤0.1%		
Sulfate:	≤0.2%		
Loss on Drying:	≤0.2%		
Assay:	99.0%-101.0 % (dried basis)		
Specific Rotation:	-1.0°~+1.0°		
Related Substances (by HPLC):			
Single Impurity:	≤0.10%		
6,8-Epitrithioctic Acid:	≤0.20%		
Total Impurities:	≤0.50%		
Residual Solvents (by GC):			
Toluene:	≤30ppm		
Cyclohexane:	≤0.20%		
Particle Size:	≥ 95% Through 20 Mesh ≤ 60% Through 200 Mesh		
Exp Date:	2 Years		

Rev.01