Trafa Pharmaceutical Inc.
140 Padgette Street, Unit D
Chicopee, MA 01022, USA
Tel: 1-866-99-Trafa (87232) FAX: 1-800-627-1880
Sales@TrafaPharma.com www.TrafaPharma.com

Specification Sheet

Product Name	**L-Glutathione Reduced**	
Batch Quantity	500 kgs	
TESTS	**SPECIFICATION**	**TEST PROTOCOL**
ASSAY		
Assay	98.0-101.0%	EP/JP
PHYSICAL CONTROL		
Appearance	White to Off-white powder	Visual
Identification	Positive	EP/JP
Clarity & color of solution	Clear & colorless solution	EP/JP
Optical Rotation	-15.5°~ -17.5°	EP/JP
Loss on Drying	≤0.5%	EP/JP
Residue on Ignition	≤0.1%	EP/JP
Related Substance – Total	≤2%	EP/JP
Related Substance – GSSG	≤1.5%	EP/JP
Tapped Density	≤0.3g/mL	EP/JP
Bulk Density	≤0.2g/mL	EP/JP
CHEMICAL CONTROL		
Heavy Metals	≤10ppm	EP/JP
Lead (Pb)	≤3ppm	EP/JP
Arsenic (As)	≤1ppm	EP/JP
Cadmium (Cd)	≤1ppm	EP/JP
Mercury (Hg)	≤1ppm	EP/JP
Iron	≤10ppm	EP/JP
Sulphates	≤300ppm	EP/JP
Ammonium	≤200ppm	EP/JP
MICROBIOLOGICAL CHARACTERISTICS		
Total Plate Count	≤1000cfu/g	EP/JP
Yeast & Mold	≤100cfu/g	EP/JP
Salmonella	Negative/g	EP/JP
E. Coli	Negative/g	EP/JP
S. aureus	Negative/g	EP/JP

Packing and Storage	Polyethylene bag with cardboard drum. 25Kg net. Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Note: The above information is based on the certificate of analysis received from the manufacturer of this product and not intended as a substitute for strict quality control analysis by the purchaser of this product.

Reviewed by : _____
Abdullah Malik (QA)