Lorad Chemical Corporation

1200 19th Street North
St. Petersburg, FL 33713
Telephone: 727-826-5511
Fax: 727-826-5510

Materials Specification

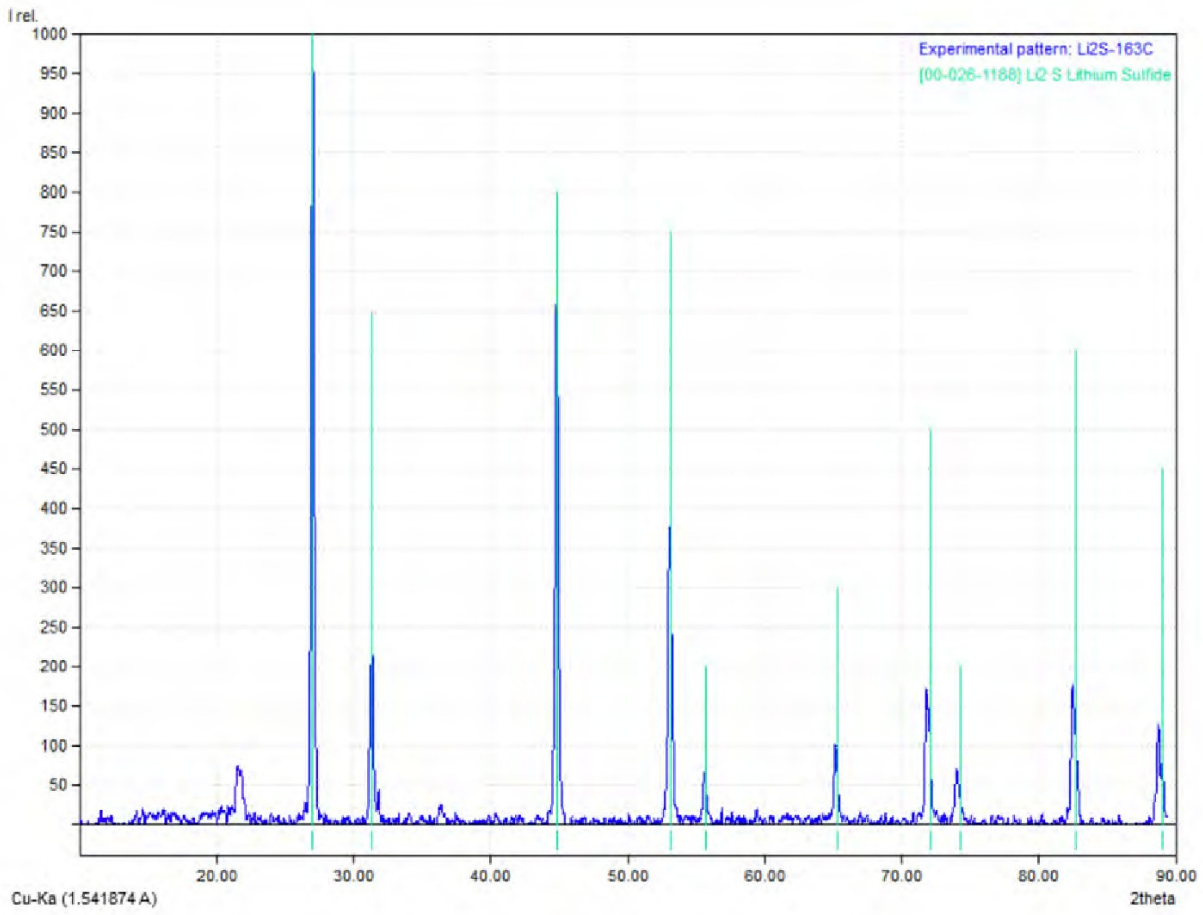
Name:	Lithium Sulfide	
Item #:	LI-2920	
Formula:	Li_2S	
CAS #:	12136-58-2	
Description:	White to off-white powder, powder 100% screened to -200 mesh (less than 75 microns)	
Purity:	Metals Basis, 99.9%	
X-Ray Analysis:	Matches to JCPD Trace 23-369	
Trace Analysis Limits	Aluminum (Al)	< 50 ppm
	Boron (B)	< 10 ppm
	Calcium (Ca)	< 50 ppm
	Iron (Fe)	< 50 ppm
	Magnesium (Mg)	< 50 ppm
	Potassium (K)	< 50 ppm
	Sodium (Na)	< 400 ppm
	Silicon (Si)	< 100 ppm
	All Other Trace Metals Combined	< 100 ppm

Lorad Chemical Corporation

1200 19th Street North
St. Petersburg, FL 33713
Telephone: 727-826-5511
Fax: 727-826-5510

XRD Pattern Analysis

Sample	Lot #	Measurement
Li_2S	163	XRD



Please Note:

The peaks at 21.5, 24.0 and 36.5 deg two theta are due to the polyethylene enclosure protecting the Lithium Sulfide from atmospheric degradation during the X-ray analysis.