

Product Name: DL-Lactide

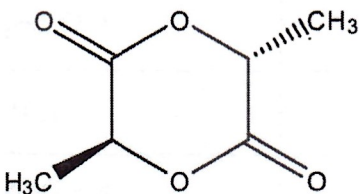
Description.: DL-Lactide, (3,6-Dimethyl-1,4-dioxane-2,5-dione)

Item Code.: DLLAC

Batch No.: RSDLLACY013

A. R. No.: RS26-0008

Chemical Information:

	CAS Number:	95-96-5
	Molecular Formula:	C ₆ H ₈ O ₄
	Molar Mass:	144.13 g/mol

Re-Test Date:

19-Sep-2027

Note: Use of the product after the retest date is done at customer discretion.

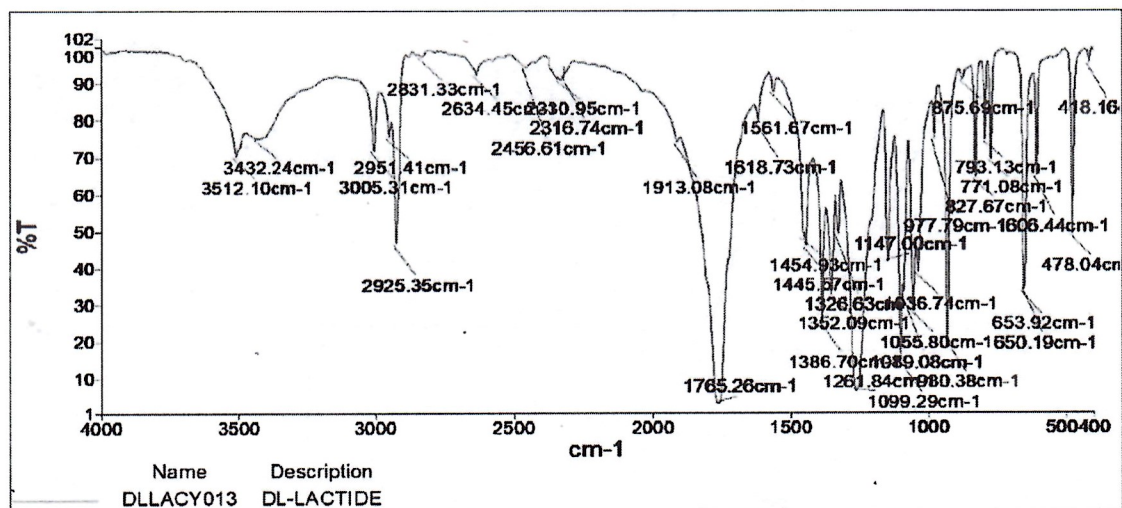
Additional Information:

Material is hygroscopic

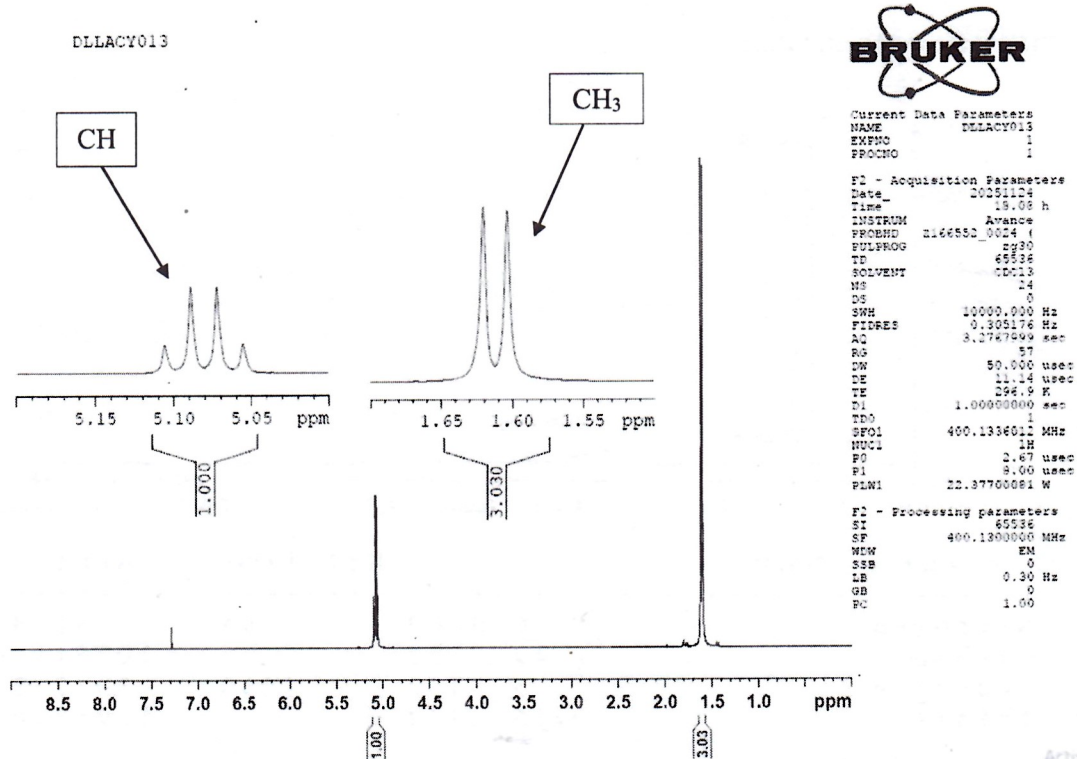
Tests and Results:

Test / Method	Results
Appearance	White Crystalline Solid
Identification by GC	Complies
Assay by GC	99.99%
Acid Value (Free acid) by titration	0.33 meq/kg
Melting Point (°C)	124°
Residual Solvent Ethyl Acetate by GC	Not Detected
Total Heavy Metal Content	Complies
Water Content by KF	98 PPM
Specific Optical Rotation	- 0.40°
Potency by CHN/S	99.42%

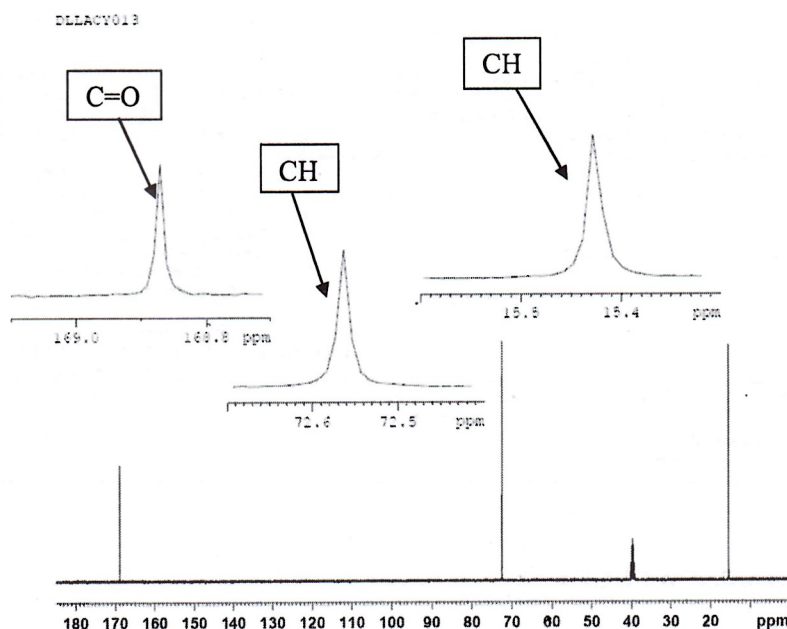
IR Spectrum (ATR):



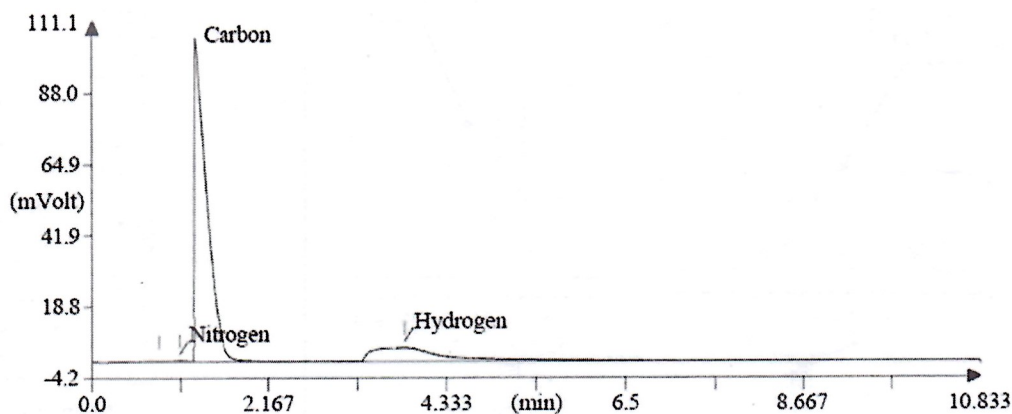
¹H NMR Spectrum Recorded in CDCl₃:



^{13}C NMR Spectrum Recorded in DMSO:

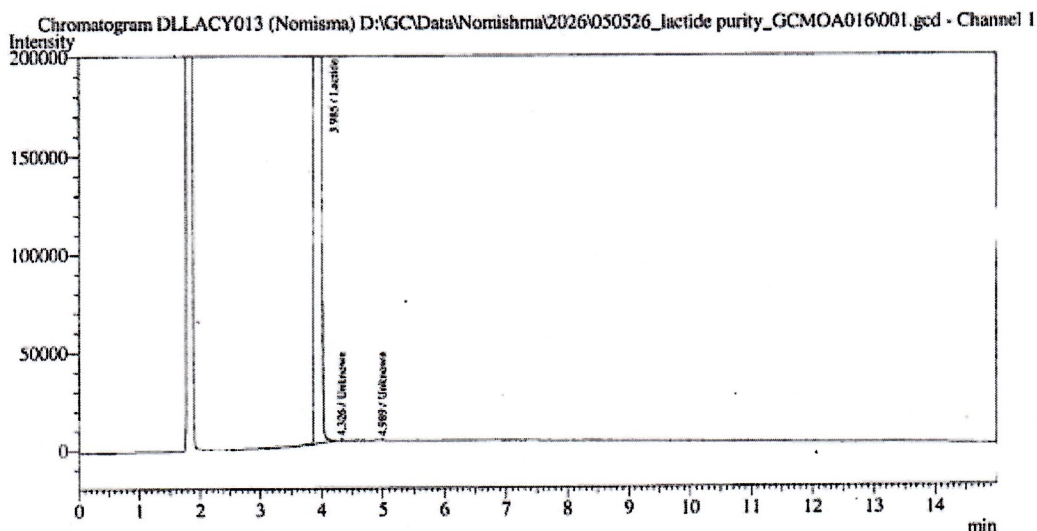


CHN/S Experimental Data:



Element	Name	Ret. Time	Area
Nitrogen	0.0000	65	30848
Carbon	49.7122	76	10851110
Hydrogen	5.5302	230	3062527
Totals	55.2424		13952260

Assay by GC:



Peak Table - Channel 1

Peak#	Name	Ret.Time	Area	Area%
1	Lactide	3.98	15938082	99.99
2	Unknown	4.33	1215	0.01
3	Unknown	4.99	977	0.01
Total			15940274	100.00

Storage Conditions:

Storage condition are lot-specific and may change from one lot to another. Storage conditions on the label and/or the Product Information Sheet are valid for unopened container as received. When refrigerator (2 to 8°C) or freezer (at or below -10°C) storage condition is stated on the label, unless instructions are included in the label or the additional information section of this document, allow the unopened container to reach ambient temperature in a desiccator prior to opening. Once the container is opened, users are responsible for storing any remaining material according to their site procedures. If no specific directions or limitations are provided on the label and/or Product Information Sheet, the conditions of storage shall include storage at room temperature and protection from moisture, Light, freezing and excessive heat.

Quality Assurance

Rechecked
26.06.26