

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	22058
Product	12-Crown-4
Lot Number	000923-02938-16500-2
	1,4,7,10-Tetraoxacyclododecane
CAS Number	294-93-9
Molecular Formula	C ₈ H ₁₆ O ₄
Molecular Weight	176.21
<hr/>	
Appearance	Colorless liquid
Refractive Index	n _{20D} = 1.462
Water Content (Karl Fisher)	0.01%
Infrared Spectrum	Conforms to structure
¹H NMR	Conforms to structure
Purity by GC	99.7%
Storage	Store at 0 - 8 °C
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager