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	16613
Lot Number	001415-42476
Product	Methyl-(S)-(+)-mandelate
	(S)-(+)- α -Hydroxyphenylacetic acid methyl ester
CAS Number	21210-43-5
Molecular Formula	$C_9H_{10}O_3$
Molecular Weight	166.17
Appearance	Off-white crystalline chunks
Melting Point	49-54 °C
Optical Rotation	$[a]_D{}^{20} = +127.6^{\circ} (C=2 \text{ in MeOH})$
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
¹ H 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

likumer.

Bala Kumar Quality Control Manager