Chem-Impex International, Inc.

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935 Dillon Drive 825 Dillon Drive Wood Dale, IL 60191 Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number 30703

Lot Number 002120-16-06-004

Product (+)-Dibutyl-L-tartrate

L-(+)-Tartaric acid dibutyl ester

(2R,3R)-Dibutyl 2,3-dihydroxysuccinate

CAS Number 87-92-3 Molecular Formula $C_{12}H_{22}O_6$

Molecular Weight 262.3

Appearance Yellowish viscous liquid

Solubility Soluble in Methanol

Specific Gravity 1.09 at 25 °C

Water Content (Karl

Fisher)

Optical Rotation $[a]_D^{20} = +10.65^{\circ} \text{ (Neat)}$

0.22%

Purity by GC 99.05%

Application Used as resolving agent

Storage Store at RT

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