

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	32504
<b>Lot Number</b>	003118-20200327
<b>Product</b>	<b>L-Phenylephrine</b> (R)-(-)-3-[1-Hydroxy-2-(methylamino)ethyl]phenol
<b>CAS Number</b>	59-42-7
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>13</sub> NO <sub>2</sub>
<b>Molecular Weight</b>	167.21

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<b>Appearance</b>	White or almost white crystalline powder
<b>Appearance of Solution</b>	The solution is clear and not more intensely colored than reference solution Y7
<b>Solubility</b>	Slightly soluble in water and methanol (96%); sparingly soluble in ethanol. It dissolves in dilute mineral acids and dilute solutions of alkali hydroxides.
<b>Melting Point</b>	172.3 - 173.1 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -55.6 °
<b>Infrared Spectrum</b>	Conforms to structure
<b>Loss on Drying</b>	0.28%
<b>Related Substances</b>	Impurities C : Not detected Impurities E : Not detected Unspecified impurities : 0.02% Total impurities : 0.05%
<b>Sulfated Ash</b>	0.04%
<b>Assay by titration</b>	99.8% (On dry basis)
<b>Grade</b>	EP
<b>Storage</b>	Store at RT

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**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**