

# Chem-Impex International, Inc.

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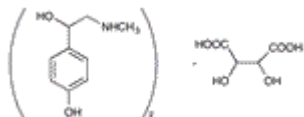
Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

## Product Specifications



<b>Catalogue Number</b>	32526
<b>Product</b>	<b>Synephrine tartrate</b> 4-[1-Hydroxy-2-(methylamino)ethyl]phenol tartrate 4-Hydroxy- $\alpha$ -(methylaminomethyl)benzyl alcohol tartrate
<b>CAS Number</b>	16589-24-5
<b>Molecular Formula</b>	$C_{18}H_{26}N_2O_4 \bullet C_4H_6O_6$
<b>Molecular Weight</b>	484.5

<b>Warnings</b>	<i>Avoid excessive heat and light!</i>
<b>Appearance</b>	White or off-white crystalline powder
<b>Clarity &amp; Color</b>	Clarity of solution : To pass test
<b>Melting Point</b>	183 - 187 °C
<b>Heavy Metals</b>	$\leq 10$ ppm
<b>Cation</b>	Iron : $\leq 5$ ppm
<b>pH</b>	5.0 - 6.5
<b>Optical Rotation</b>	$[\alpha]_{20/D} = 11 - 15^\circ$
<b>Loss on Drying</b>	$\leq 0.5\%$
<b>Residual Solvents</b>	Ethanol : $\leq 0.5\%$
<b>Related Substances</b>	Single impurity : $\leq 0.2\%$ Total impurities : $\leq 0.5\%$
<b>Sulfated Ash</b>	$\leq 0.1\%$
<b>Assay by titration</b>	99 - 102%
<b>Storage</b>	Store at 2 - 8 °C
<b>Additional Information</b>	Identifications : A) Bromine test : To pass test B) Base MP - 176 - 189 °C C) Color test : Passes test D) Tartrate Test : To pass test Ketones : $\leq 0.10$ (310 nm)

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**For Laboratory Use Only**