

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	37771
<b>Lot Number</b>	002197-230326
<b>Product</b>	<b>Diphenhydramine hydrochloride</b> 2-Diphenylmethoxy- <i>N,N</i> -dimethylethylamine hydrochloride 2-(Benzhydryloxy)- <i>N,N</i> -dimethylethylamine hydrochloride
<b>CAS Number</b>	147-24-0
<b>Molecular Formula</b>	C <sub>17</sub> H <sub>21</sub> NO•HCl
<b>Molecular Weight</b>	291.82

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<b>Appearance</b>	White crystalline powder
<b>Acidity</b>	< 0.5 mL
<b>Loss on Drying</b>	0.08%
<b>Residual Solvents</b>	Ethanol : 0.04% Toluene : 0.002%
<b>Related Substances</b>	Diphenhydramine related compound A : < 0.05% 4-Methyldiphenhydramine : Not detected 4-Bromodiphenhydramine : Not detected Benzhydrol, Benzophenone & Total impurities : Not detected Any other unspecified impurity : < 0.05%
<b>Residue On Ignition</b>	0.05%
<b>Assay</b>	100.2% (On dry basis)
<b>Grade</b>	meets USP specification
<b>Storage</b>	Store at 2 - 8 °C
<b>Additional Information</b>	Identification A, B, C : Passes test
<b>Remarks</b>	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