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## Specification of Analysis

<b>Product Name:</b>	Phenylephrine hydrochloride		
<b>CAS No.:</b>	<b>61-76-7</b>	<b>Quantity</b>	<b>300kgs</b>
<b>Rep Date</b>	<b>March,12th,2017</b>	<b>Batch NO.</b>	<b>20170308</b>
<b>MFG. Date</b>	<b>March,04th,2017</b>	<b>Expiry Date:</b>	<b>March,02th,2020</b>

Test Item	Specification	Result
<b>Appearance</b>	<b>White or off-white crystalline powder, freely soluble in water &amp; alcohol</b>	<b>Conforms</b>
<b>Melting point</b>	<b>&gt;142 °C</b>	<b>142.6~143.5 °C</b>
<b>Identification</b>	<b>A.Corresponding with specific optical rotation</b>	<b>Conforms</b>
	<b>IR.Conforms to reference spectrum</b>	<b>Conforms</b>
	<b>Chloride:give reaction of chlorides</b>	<b>Conforms</b>
<b>Appearance of solution</b>	<b>Clear and colorless</b>	<b>Conforms</b>
<b>Acidity or alkalinity</b>	<b>Conforms to test of acidity &amp; alkalinity</b>	<b>Conforms</b>
<b>Specific optical rotation</b>	<b>-43°~-47°</b>	<b>-45°</b>
<b>Sulfate</b>	<b>≤0.05 %</b>	<b>0.46%</b>
<b>Loss on drying</b>	<b>≤1.0 %</b>	<b>0.05%</b>
<b>Sulfated ash</b>	<b>≤0.1%</b>	<b>0.05 %</b>

<b>Related substances</b>	<b>Impurity C <math>\leq 0.1\%</math></b>	<b>N/M</b>
	<b>Impurity E <math>\leq 0.1\%</math></b>	<b>N/M</b>
	<b>Unspecified impurity <math>\leq 0.1\%</math></b>	<b>0.04 %</b>
	<b>Total impurities <math>\leq 0.2\%</math></b>	<b>0.08 %</b>
<b>Assay</b>	<b>98.5-101.0%</b>	<b>99.85%</b>
<b>Residual solvents</b>	<b>Isopropanol <math>\leq 0.5\%</math></b>	<b>0.003 %</b>
	<b>Methanol <math>\leq 0.3\%</math></b>	<b>0.005 %</b>
	<b>Ethanol <math>\leq 0.5\%</math></b>	<b>N/M</b>
<b>Conclusion</b>	<b>Conforms to EP 8.0</b>	

**Analyst:Liya**

**Checker:Wangwei**

**Q.C.Director:Mahong**