



# Product Specification

cdhfinechemical.com

## 1-HEPTANE SULPHONIC ACID SODIUM SALT AR MONOHYDRATE FOR HPLC

<b>PRODUCT CODE</b>	<b>743180</b>	
<b>SYNONYMS</b>	--	
<b>C.I. NO.</b>	--	
<b>CASR NO.</b>	<b>(207300-90-1)</b>	
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>C<sub>7</sub>H<sub>15</sub>NaO<sub>3</sub>S.H<sub>2</sub>O</b>	$\text{CH}_3(\text{CH}_2)_5\text{CH}_2-\overset{\text{O}}{\parallel}{\text{S}}-\text{ONa} \cdot \text{H}_2\text{O}$
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>220.27</b>	
<b>PROPERTIES</b>	--	

<b>PARAMETER</b>	<b>LIMIT</b>
Description	White crystalline powder.
Solubility	10% solution in water is clear and colourless.
Minimum Assay (Acidimetric)	99.0%
UV Transmission in 1.0 cm cell (0.005 mol/lit. in water, at 250 nm)	Min. 98.0%
pH of (10% solution in water)	5.5 - 7.5

<b>MAXIMUM LIMIT OF IMPURITIES</b>	
Loss on drying (at 120°C)	6.5 – 9.0%
Max. absorbance (2.7 gm in 100 ml H <sub>2</sub> O ;pH 3)	
at 210 nm	1.0
220 nm	0.1
254 nm	0.06
280 nm	0.06
Absorbance in a 1.0 cm cell (0.005 mol/lit. in water)	
at 200 nm	0.15
at 220 nm	0.05
Absorption in 1.0 cm cell (10% solution in water)	
at 210 nm	0.1
220 nm	0.06
230 nm	0.04
260 nm	0.02
500 nm	0.02

**Note(s) : Assay (if applicable) method mentioned.**

<b>WARNING</b>	IMDG Code : -- UN No. : -- IATA : --
<b>Hazard statements:</b> Not hazardous. No hazards.	
<b>Precautionary statements</b>	
<b>Prevention:</b> ----- <b>Response:</b> -----	
<b>Disposal:</b> -----	

**Hazard Pictogram(s) :**-----

Replace Date : 3-April-2018