

HINDUSTAN POLYAMIDES AND FIBRES LTD.

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RAW MATERIAL SPECIFICATION

Product	: CUMINALDEHYDE		
Chemical Name	: 4-(1-methyl ethyl) benzaldehyde		
Synonyms	: p-isopropyl benzaldehyde,cuminal		
CAS No.	: 122-03-2	Formula	: C ₁₀ H ₁₂ O
Flash Point	: 93°C		
Molecular Weight	: 148.20		
Odour	: Spicy, warm, cumin like		

ANALYTICAL SPECIFICATION

* <i>Appearance</i>	: Clear colorless liquid
<i>Refractive index @ 25°C</i>	: 1.5250 – 1.5290
<i>Specific gravity @ 25/25°C</i>	: 0.9730 – 0.9780
* <i>GLC Purity (sum of isomers)%</i>	: 99.5 min.
<i>GLC Para isomer %</i>	: 99.0 min
<i>Acide Value mg KOH/gm</i>	: 3.0 max
<i>Moisture %</i>	: 0.2 max
<i>Chlorine (Cl) ppm</i>	: 4 max .

* Routine Analysis

OTHER REQUIREMENTS

Packaging type	: EP coated MS Barrels, IBC, SS-316 Tanker container
COA	: All parameters to be analyzed and reported in COA with HPFL order No. Lot No. and Lot Quantity.
Label	: Label with Product name, Lot No., Date of manufacturing, Date of Expiry and Pack quantity.
Shelf Life	: 75% of shelf life should remain when received at HPFL