

# Chem-Impex International, Inc.

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Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalogue Number</b>	33888
<b>Lot Number</b>	000703-153969
<b>Product</b>	<b>Butyl isovalerate</b> Isovaleric acid butyl ester
<b>CAS Number</b>	109-19-3
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>18</sub> O <sub>2</sub>
<b>Molecular Weight</b>	158.24

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<b>Appearance</b>	Colorless to pale yellow liquid
<b>Solubility</b>	Soluble in alcohol and most fixed oils, Insoluble in propylene glycol and water
<b>Odor</b>	Fruity odor
<b>Specific Gravity</b>	0.858 at 25 °C
<b>Refractive Index</b>	n <sub>20</sub> /D 1.409
<b>Acid value</b>	0.11 mg KOH/g
<b>Purity by GC</b>	99.7%
<b>Grade</b>	FG, KOSHER, FEMA 2218
<b>Storage</b>	Store at 0 - 8 °C
<b>Additional Information</b>	Identification : 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