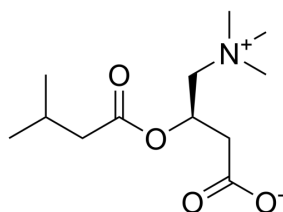


## Certificate of Analysis

<b>Product Name:</b>	Isovalerylcarnitine
<b>Cat. No.:</b>	CS-0059341
<b>CAS No.:</b>	31023-24-2
<b>Batch No.:</b>	38961
<b>Chemical Name:</b>	1-Propanaminium,3-carboxy-N,N,N-trimethyl-2-(3-methyl-1-oxobutoxy)-,inner salt,(2R)-

### PHYSICAL AND CHEMICAL PROPERTIES

<b>Molecular Formula:</b>	C <sub>12</sub> H <sub>23</sub> NO <sub>4</sub>
<b>Molecular Weight:</b>	245.32
<b>Storage:</b>	2-8°C, sealed storage, away from moisture
<b>Chemical Structure:</b>	



### ANALYTICAL DATA

<b>Appearance:</b>	White to off-white (Solid)
<b>Purity:</b>	≥99.0%
<b>Specific Rotation (20/D):</b>	-22.5 degrees
<b>Concentration:</b>	C=0.1 in water
<b>Water:</b>	7.0 %
<b>Conclusion:</b>	The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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