

# Certificate of Analysis

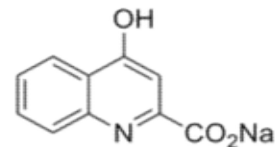


## Product Identification

**Catalog number** HB0363  
**Compound name** Kynurenic acid sodium salt  
**Chemical name** 4-Hydroxyquinoline-2-carboxylic acid sodium salt

**Batch number** E2097-1-4  
**Batch molecular formula** C<sub>10</sub>H<sub>8</sub>NNaO<sub>3</sub>·1.3H<sub>2</sub>O  
**Batch molecular weight** 234.57  
**Source** Synthetic

## Chemical Structure



## Method

## QC requirement

## QC Result

<b>HPLC</b>	Reverse Phase HPLC shows >98% purity	Meets specification: 99.4%
<b>NMR</b>	<sup>1</sup> H NMR in D <sub>2</sub> O at 400 MHz consistent with structure	Meets specification
<b>Mass spectrum</b>	Electrospray negative analysis consistent with structure	Meets specification
<b>Microanalysis</b>	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
<b>TLC</b>	TLC analysis in 50% PAW/BuOH shows one spot under uv	Meets specification: Rf=0.5
<b>Physical appearance</b>	White to off-white solid	Meets specification: Off-white solid
<b>Solubility</b>	Soluble in water (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

13/12/2022

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.