

# Certificate of Analysis

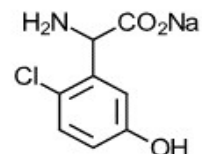


## Product Identification

**Catalog number** HB0034  
**Compound name** CHPG sodium salt  
**Chemical name** (RS)-2-Chloro-5-hydroxyphenylglycine sodium salt

**Batch number** E0546-1-1  
**Batch molecular formula** C<sub>8</sub>H<sub>7</sub>ClNO<sub>3</sub>Na.1.5H<sub>2</sub>O  
**Batch molecular weight** 250.61

## Chemical Structure



## Method

## QC requirement

## QC Result

<b>HPLC</b>	Chiral HPLC shows >98% purity as two peaks	Meets specification: 100%
<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 positive 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 2:3 PAW/BuOH shows one spot under ninhydrin	Meets specification: R <sub>f</sub> =0.4
<b>Physical appearance</b>	White to cream solid	Meets specification: Cream Solid
<b>Solubility</b>	Soluble in water (50 mM)	Meets specification

## Biological validation

**Produced by** Huw Davies

Signature

**Passed by** Steve Roome

Signature

Date

10-10-16

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