

## CERTIFICATE OF ANALYSIS OF REFERENCE STANDARD

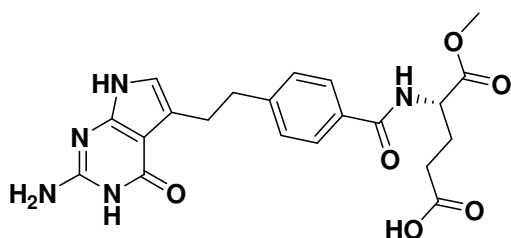
Reference Standard

Date:

**Pemetrexed Impurity 1****Catalogue No.: VL1240001**

Batch No.:

IUPAC Name: N-(4-(2-(2-amino-4,7-dihydro-4-oxo-3H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl)benzoyl)-,1-methyl ester sodium salt, L-Glutamic acid.

Molecular Formula: C<sub>21</sub>H<sub>23</sub>N<sub>5</sub>O<sub>6</sub>

Molecular Weight: 441.41 g/mol

Sr.#	Test	Results	Data ref.
1	Appearance	Blue colour solid	-----
2	Purity by HPLC	>90 %	Chromatogram attached
3	<sup>1</sup> H NMR	Conform	Report attached
4	MASS	Conform	Report attached

**Storage condition:** Store at 2-8 degree, protect from moisture and direct sunlight.

This certificate of analysis is valid for three years from date of manufacturing, provided the substance is stored under suitable conditions.

**Manufacturing date:****Retest Date:****Document data reference:***Prepared by**Reviewed by**Approved by*