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## CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2026

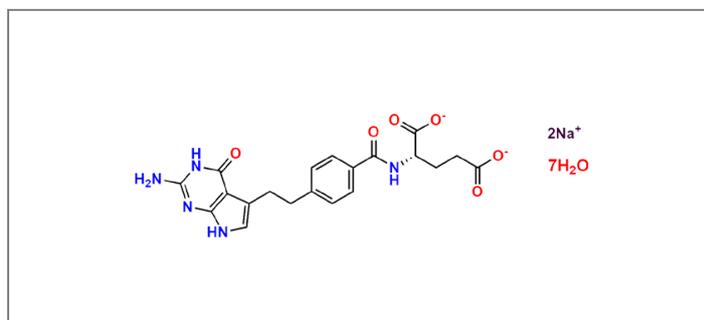
Re-test Date: Feb 2029

**Product Name: Pemetrexed Disodium Heptahydrate**

### Identification:

Chemical Name: Disodium (2S)-2-[4-[2-(2-amino-4-oxo-4,7-dihydro-1H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl]benzamido]pentanedioate heptahydrate (as per EP)

Synonyms : NA  
CAS Number : 357166-29-1  
CAT Number : CP-P16010  
Molecular Formula : C<sub>20</sub>H<sub>21</sub>N<sub>5</sub>O<sub>6</sub> : 2(Na) : 7(H<sub>2</sub>O)  
Molecular Weight : 427.4 : 2(23.0) : 7(18.0)  
Batch Number : CHEM-PRE-DIH-01  
Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C  
Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.07%
5)	<sup>1</sup> H NMR	Confirm to structure
6)	<sup>13</sup> C NMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	-
9)	Potency by TGA	-



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**

Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.