

Glentworth Formulations
 Unit 1A Junction 2 Industrial Estate
 Demuth Way
 Oldbury
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 Phone 0121 729 6508
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 Website: www.glentworthformulations.com



Product Specification Certificate

Item Name	Caffeine Anhydrous Powder	
Product Code	004	
Batch Number	8225-2277-[Abstract]	
Manufacture Date	05/2021	
Test	Specification	Result
Appearance	White or almost White crystalline powder or silky white or almost white crystal.	Conforms
Solubility (Ph.Eur)	Sparingly soluble in water freely soluble in boiling water, slightly soluble in ethanol 96%, It dissolves in concentrated solution of alkali benzoate or salicylate	Conforms
Solubility (USP)	Sparingly soluble in water and alcohol, freely soluble in chloroform, slightly soluble in ether.	Conforms
Identification A (Bp)	By melting range	236.2°C
Identification (E, Bp)	It complies the test for loss on drying	Conforms
Identification A (USP)	The infrared absorption spectrum	Conforms
Identification B (USP)	The retention time of the caffeine peak in the chromatogram of the assay preparation correspond to that in the chromatogram of the standard preparations as obtained in the assay	Conforms
Appearance of solution (Bp,Ph.Eur)	Solution 's' is clear and colourless	Conforms
Acidity (Bp,Ph.Eur)	Not more than 0.2 ml of 0.01 ml sodium hydroxide is required to change the colour of the indicator to blue	0.05 ml of 0.01 M Sodium hydroxide is required
Impurity A (Bp,Ph.Eur)	0.10%	Conforms
Impurity C (Bp,Ph.Eur)	0.10%	Conforms
Impurity D (Bp,Ph.Eur)	0.10%	Not detected
Impurities (F, Bp,Ph.Eur)	0.10%	Conforms
Impurities (other, Bp,Ph.Eur)	<0.10%	Not detected
Impurities (Total, Bp,Ph.Eur)	<0.10%	Conforms
Chromatographic purity (USP Individual)	Not more than <0.1%	0.03%
Sulphate	<500ppm	Conforms
Heavy Metals (USP)	<0.001%	Conforms

Loss on drying (Bp,Ph.Eur)	<0.5%	0.23%
Water	<0.5%	0.19%
Sulphated ash (Bp,Ph.Eur)	<0.1%	0.05%
Residue on ignition (USP)	<0.1%	0.05%
Assay (A on anhydrous basis Bp,Ph.Eur)	Not less 98.5 % and not more than 101.5% of C ₈ H ₁₀ N ₄ O ₂ calculate with reference to dried substances	100.3%
Assay (B on anhydrous basis, USP)	Not less than 98.5% and not more than 101.0% calculate on anhydrous basis	100.0%
Fungi	<100 cfu/g	<10 cfu/g
Yeasts	<100 cfu/g	<10 cfu/g
Moulds	<100 cfu/g	<10 cfu/g
Bacterial Count (Total)	<1000 cfu/g	<10 cfu/g
Escherichia Coli	Should be Absent	Absent
Salmonella	Should be Absent	Absent
Staphylococcus aureus	Should be Absent	Absent
P.aeruginosa	Should be Absent	Absent
Candida albicans	Should be Absent	Absent
Chromatographic purity (USP Total)	Not more than 0.1%	0.05%
Storage	Store in a clean, cool, dry place at room temperature	
Shelf Life	3 years if sealed and stored away from direct sun	
Expiration Date	05/24	

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Product: Caffeine Anhydrous 200mg

Tablet

Shape: Round

Size: 10mm

Weight: <473 mg

Active Ingredients: Caffeine Anhydrous 200mg

Inactive: MCC (Microcrystalline Cellulose) (bulking agent), Dicalcium Phosphate (bulking agent), Silicon Dioxide (anti-caking agent), Magnesium Stearate (anti-caking agent).

Suitable for vegans and vegetarians.

Expiry Date: 05/24

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INTERNAL USE ONLY:

Quality Control

Tablet Dissolution Tested: Yes - **Recorded:** <45 MINUTES

50-100th Tablet Hardness Tested: Yes

Average Tablet Weight: 450mg - **Tolerance:** +/- 5%

De-dusted: Yes

Loose/Bulk

Batch Number: 8225-2277-[Abstract]

Glentworth Formulations Ltd. are not responsible for your label claims.

Storage: We recommend that you keep this product under the following conditions:

- In a dry place
- away from light,
- at a temperature below 25 ° C.

Under these conditions, the Best Before Date is a minimum of 24 months. However, this shelf life can be modified according to storage conditions.

Manufactured for:

Manufactured by Glentworth Formulations Ltd.

Date: [Publish Date]

Signed by Director:

