

CERTIFICATE OF ANALYSIS
Hebei Guangxiang Pharmaceutical Co., Ltd.
 河北广祥制药有限公司检验报告单

BG-GX/ZB/04.008-02

Rev02/2020 P1 / 2

Name		Anhydrous Caffeine 河北广祥制药有限公司 HEBEI GUANGXIANG PHARMACEUTICAL CO., LTD.	Manufacture Date	2021.07.10
Batch No		1012107035	Expiry Date	2026.06
Package		20kg/Carton	Test Date	2021.07.11
Batch Size		2000 kg	Reporting time	2021.07.18
Inspection basis		EP 10.0, BP 2019, USP43, FCC11, CP2020		
Items		Specifications	Results	
Characters (FCC11)		White or almost white, crystalline powder or silky white or almost white, crystals.		Complies
Solubility (BP 2019, EP 10.0)		Sparingly soluble in water, freely soluble in boiling water, slightly soluble in ethanol (96%). It dissolves in concentrated solutions of alkali benzoates or salicylates. It sublimes readily.		Complies
Identifications	Identifications A (USP43)	The sample spectrum complies with that of the reference standard spectrum .		Complies
	Identifications B (USP43)	The retention time of the caffeine peak of the sample solution corresponds to that of the standard solution		Complies
Appearance of solution (BP 2019, EP 10.0)		Solution S is clear and colourless		Complies
Acidity (BP 2019, EP 10.0)		Not more than 0.2mL of 0.01M sodium hydroxide is required to change the colour of the indicator to blue		Complies
Related Substances (BP 2019, EP 10.0)		Any other impurity ≤ 0.5 times the area of solution (a) (0.10%)		0.02%
		Total Impurities ≤ 0.5 times the area of solution (a) (0.10%)		0.04%
Melting Point (FCC11)		235.0-237.5°C		Complies
Sulfates (BP 2019, EP 10.0)		≤ 500 ppm		Complies