

CERTIFICATE OF ANALYSIS

Material No: 704188
 Name: Caffeine anhyd Pwd BG 50kg

Lot No: 16062016

Manufacturing date: 10-Feb-2016
 Retest date: 08-Feb-2021
 Actual specification: 1232-5

Test	Method	Specification	Result
Appearance	1224-6	White powder	complies
Identification	1224-6	Must comply	complies
Beginning of melting	1224-6	min. 235	237 °C
End of melting	1224-6	max. 239	238 °C
Opalescence	1224-6	Clear	complies
Colour	1224-6	Colourless	complies
Acidity	1224-6	Must comply	complies
Sulfate	1224-6	Max. 240 ppm	complies
Heavy metals, calc. as lead	1224-6	Max. 10 ppm	complies
Lead	1224-6	max. 1	< 1 ppm
Residue on ignition	1224-6	Max. 0.1%	complies
Loss on drying	1224-6	max. 0.5	< 0.1 %
Readily carbonisable substances	1224-6	must comply	complies
Foreign alkaloids	1224-6	must comply	complies
Residual solvents	1224-6	Must comply	complies
Chloroform	1224-6	Max. 60 ppm	complies
Impurities	1224-6	max. 0.10% each	complies %
Sum of all impurities	1224-6	max. 0.1	< 0.1 %
Content (HPLC)	1224-6	98.5 - 101.0	100.4 % i. Tr.
Content	1224-6	99.5 - 100.5	100.0 % i. Tr.
Below 0.300 mm (No.50)	1224-6	min. 95	100 %

CERTIFICATE OF ANALYSIS

Material No: 704188
 Name: Caffeine anhyd Pwd BG 50kg

Lot No: 16062016
 Manufacturing date: 10-Feb-2016
 Retest date: 08-Feb-2021
 Actual specification: 1232-5

Test	Method	Specification	Result
------	--------	---------------	--------

Release comment: The product meets the requirements of this specification.
 Caffeine Anhydrous Powder BG meets the test requirements stipulated in the current
 version of the following monograph(s):
 "Caffeine" of Ph.Eur., USP, JP, FCC.

Released on: **19-Feb-2016**
 Manufacturer: Siegfried PharmaChemikalien Minden GmbH
 Karlstr. 15
 32423 Minden
 Germany

Site Quality Manager: Dr. Wenzel

This certificate of analysis has been signed electronically.
 It has been created automatically by the validated Siegfried Laboratory Information Management System (LIMS).