

BUCHLER

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Fagron Services BV, Uitgeest

Ihr Auftrag / Your order
BI180350 dated 20.02.2018
Item 501812

Unser Auftrag / Our order
5137

Datum / Date
15.03.18

Analysenzertifikat / Certificate of Analysis

Product : Quinine Sulphate

Lot No. **9263**

Formula : $(C_{20}H_{24}N_2O_2)_2 \cdot H_2SO_4 \cdot 2 H_2O$

CAS - No. 6119-70-6

Manufact. date : 07.02.2018

Expiry date : 06.02.2023

Date of release : 22.02.2018

Tests	Specifications	Results
Identification A, B, C, D, E	to pass tests	conform
Appearance of solution	clear and colour $\leq$ GY 6	conform
pH	pH 5,7 - 6,6	pH 6,2
Loss on drying	3,0 - 5,0 %	4,3 %
Specific optical rotation	-237° to -245°	-242°
Dihydroquinine Sulphate	$\leq$ 10,0 %	6,9 %
Any impurity eluted before quinine	$\leq$ 5,0 %	1,6 %
Any other impurity	$\leq$ 2,5 %	0,0 %
Assay	99,0 - 101,0 %	99,7 %
Sulphated ash	$\leq$ 0,1 %	< 0,1 %
Residual Solvents	meets the pharmacopoeial requirements	conform

Result : the merchandise corresponds to Ph. Eur., 9th Edt., BP 2018
The active ingredients have been manufactured, packaged and analysed according to GMP.

Head of Quality Assurance : Dr. C. von Riesen

Buchler GmbH

This certificate is a computer printout and bears therefore no handwritten signature.

