

# Centrient Pharmaceuticals Spain S.A.

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## Certificate of Analysis

CEFALEXIN MONOHYDRATE			
PURILEX ® COMPACTED			
Manufacturing date: Feb 2020		Batch/lot: B427863	Batch/lot size: 3175 KG
		Expiration Date: Jan 2024	Release Date: 02-Mar-2020
Tests	Specifications	Units	Results
Appearance	White-almost white powder with granules		Complies
Solubility	Conforms with test		Complies
Identification (IR)	Conforms with test		Complies
Crystallinity	Crystalline		Complies
pH	4,0 to 5,5		5,0
Specific opt. rotation, anhydrous basis	149 to 158	deg	154
Water content by KF	4,0 to 8,0	%w/w	5,6
Assay, anhydrous basis <sup>1</sup>	97,0 to 102,0	%w/w	99,4
Related Substances: 7-ADCA	< = 1,0	%w/w	0,03
Related Substances: PHENYLGLYCINE	< = 1,0	%w/w	< 0,02
Related Substances: PG-AMIDE	< = 0,5	%w/w	< 0,02
Rel. Subs.: Delta-2-Cephalexin	< = 1,0	%w/w	< 0,02
Rel. Subst.: CEX-piperazine+ degradants	< = 1,0	%w/w	0,04
Rel. Subst.: ANY OTHER IMPURITY	< = 1,0	%w/w	0,05
Related Substances: TOTAL IMPURITIES	< = 3,0	%w/w	0,17
Bulk Density	> = 0,45	g/ml	0,66
Tapped Density	> = 0,75	g/ml	0,87
Sulphated Ash	< = 0,2	%w/w	Complies if tested**
Residual Acetone	< 0,2	%w/w	< 0,1

Pharmacopoeia quality: Complies with the current editions: Ph.Eur, BP, USP, IP\*.

Manufactured according to ICH Q7 GMP for APIs.

N,N-Dimethylaniline is not used in the manufacturing process of this product or present in any of the raw materials.

\* Expiry date is 2 years for IP grade as per Indian D&C Act.

Our sales order#: 101333  
Customer order#: A-2200247

Ship-to SIEMSGLUSS IBERICA S.A. , Parcela 6, Nave 2, , 08620 , Sant Vicenc Dels Horts (Barcelona) , ES

\*\* Checked at regular intervals

<sup>1</sup>Release Specification

Date of Issue: St. Perpetua de Mogoda, April 09, 2020

COA approved with Digital Signature by Nuria Roig,  
QA Assistant - Spain, 11:39:06, 09.04.2020

The material covered by this delivery is produced in accordance with Centrient Pharmaceuticals manufacturing specifications currently in force for this product grade. Centrient Pharmaceuticals certifies that the material supplied conforms to the performance typical for this grade and product description, and has been monitored in accordance with the internal quality control routines employed in our company, however, the buyer must check the suitability of this grade for the actual application. This certificate does not release the recipient from his obligation to carry out his usual incoming goods checks. The applicability of any other general terms and conditions is explicitly rejected and superseded by our General Terms and Conditions of Sale as mentioned on our website [www.centrient.com](http://www.centrient.com)