

**WACKER**

## Inspection certificate EN 10204 - 3.1

Date of delivery	Delivery note
10.10.2014	24776582
Requisition No.	Date of requisition
FDC 03-2014 /	23.06.2014
Order No.	Customer No. Fax
7339875 / 000002 / 23.06.2014	25030198 65426632

Wacker Chemie AG Werk Nünchritz Friedrich-von-Heyden-Platz 1 D-01612 Nünchritz

Wacker Chemicals (South Asia)

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date of issue: 10.10.2014

**HDK® N20 PHARMA**  
**HYDROPHILIC PYROGENIC SILICA**

Material	60081785	Batch	YA46407	NET	6,400.000 kg	Date of manufacture	05.10.2014	Best use before end	04.10.2017
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Technical data	Test method/Inspection condition	Unit	Measured value	Lower limit	Upper limit
Surface BET DIN 9277/66132	PV09001	m <sup>2</sup> /g	206	175	225
pH-value in suspense EN ISO 787/9	PV09005	nounit	4.0	3.8	4.3
Sieve residue >40 µm EN ISO 787-18	PV09004	%	0.001	0.000	0.030
Content heavy metals	PV20418 according EP	ppm	< 25	-	25
Loss on ignition	PV20418 according USP	%	0.3	0.0	2.0
Loss on drying	PV20418 according USP	%	0.1	0.0	1.5
Content silicon dioxide	PV20418 according USP	%	100.0	99.0	100.5
Content arsenic (As)	PV20418 according USP/AAS	ppm	< 3	-	3
Content chlorine (Cl)	PV20418 according EP	mg/kg	< 250	-	250

## Typical general properties:

Tap density EN ISO 787/11: appr. 40 g/l

PV20418 is in accordance with the specification requirements  
of the current version in EP and USP.  
(produced according to ISO 9001, ISO 14001)

Wacker Chemie AG, Werk Nünchritz  
Zentrale Analytik  
Qualitätsmanagement, Dr. H. Brandt  
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This certificate was issued by machine and is valid without a signature.

This data does not absolve the purchaser from checking the quality of all supplies  
immediately on receipt, particularly regarding the possible influences of transport  
and intermediate storage conditions over which we have no control.  
All sales of this product shall be subject to our General Conditions of Sale.