

Kirsch Pharma GmbH · Postfach 21 11 64 · 0-38213 Salzgitter

Kirsch Pharma Australia Pty Ltd  
Pacific View Business Park  
6/10 Rodborough Road  
FRENCHS FOREST NSW 2086  
AUSTRALIEN

## Certificate of analysis

Date 13. March 2018 Page 1 of 2  
Your purchase order number · Date  
Delivery number · Position 80047662 · 70  
Order number · Position 51251 · 70  
Customer number 101026



Reg.Nr. 3275-0M

Article code	Batch	Quantity	Release date	Manufact. date	Retest date
102930136343		500.000 KG			

**Sodium Bicarbonate** Purity: current BP, USP, bacterial endotoxine

Parameter	Unit	Result	Specification	
Identity		complies	Acc. to requirements	
Appearance of solution		complies	Correlates to test	
Carbonates		complies	Correlates to test	
Insoluble substances		complies	Correlates to test	
Assay (EP, BP)	%	99.3	99.0 - 101.0	
Arsenic	mg/kg	< 1.0	<= 2.0	
Sulphates	mg/kg	< 150.0	<= 150.0	S
Heavy metals (as Pb)	mg/kg	< 5.0	<= 5.0	
Iron	mg/kg	< 5.0	<= 5.0	
Loss on drying (USP/NF)	%	< 0.25	<= 0.25	
Assay (USP)	%	99.8	99.0 · 100.5	
Calcium	mg/kg	< 100.0	<= 100.0	S
Ammonium (EP, BP)	mg/kg	< 20.0	<= 20.0	S
Ammonium (USP)	mg/kg	< 20.0	<= 20.0	E
Carbonates (Ph Eur)		8.07	<= 8.60	
Chlorides	mg/kg	< 150.0	<= 150.0	S
Sulfur compounds (USP)	mg/kg	< 150.0	<= 150.0	
Bacterial endotoxines	IU/g	< 5.000	<= 5.000	E

•(E) = analysed by external laboratory  
•(S) from suppliers certificate of analysis

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This batch corresponds to "Purity: current BP, USP, bacterial endotoxine".  
This certificate does not release the buyer from product control on receipt.

  
Quality Unit

Kirsch Pharma GmbH