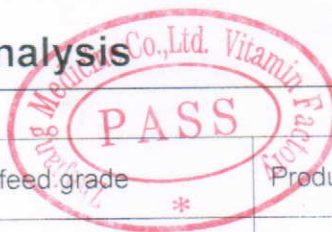


Certificate of Analysis



ZMC

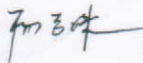


Product Name	D-Biotin 2% SD, feed grade	Product Code	21 62 002
Batch No.	F1801006	Quantity	1000 kg
Date of Manufacturing	2018-01-20	Expiry Date	2020-01-19
Report No.	803H1801007	Report Date	2018-01-31

Test Parameter	Results	Specifications	Test Methods
Appearance	conforms	Free flowing nearly white powder, slightly hygroscopic	GB/T 23180
Identification	conforms	conforms	GB/T 23180
Loss on drying	6.2%	Max 8.0 %	GB/T 23180
Particle Size	Conforms	At least 95% pass through mesh sieve No. 80	GB/T 23180
Bulk density	635 g/l	In between 550 and 650 g/l	Eur.Ph
Content D-Biotin	2.07%	min 2.00%	GB/T 23180
*Microbial test			
Total viable bacteria count	<10 cfu/g	≤3000 cfu/g	GB/T 13093
Total moulds count	<10 cfu/g	≤1000 cfu/g	GB/T 13092
Salmonella species	n.d./25g	n.d./25g	GB/T 13091

*Remark: Test is verified on random samples.

Conclusion: Product Conforms to QCS8031002 and is in accordance with product data sheet (product code: 21 62 002)

Assessor:  2018.01.31

Head of QC:  2018.01.31

Manufacturing site:

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