



焦作健康元生物制品有限公司

JiaoZuo Joincare Biotechnological Co., Ltd.

检验报告书

Certificate of Analysis

Product Name	Demeclocycline hydrochloride	Batch No.	DH2303802
Packing	25kg×2/Drum	Mfg. Date	2023.03.03
Batch Size	1000kg	Retest.Date	2025.03.02
Storage Conditions	In an airtight container,protected from light		

Tests		Specification	Test results	
Organoleptic characters		Crystalline yellow powder	Conform	
Identification (By UV)	A	95.8 – 104.2% db	Conform	
	B	0.9 – 1.1	Conform	
DMCT + DMT (chrom. purity)		≥ 95% pc	97.62%	
Epi DMCT + Epi DMT (chrom. purity)		≤ 5% pc	1.98%	
DMCT (chrom. purity)		To report	93.85%	
DMT (chrom. purity)		To report	3.77%	
Epi DMCT (chrom. purity)		To report	1.98%	
Epi DMT (chrom. purity)		To report	Not detected	
DMCT (Assay)		≥ 900 µg/mg db	930	
Arquad		≤ 2000 ppm	204ppm	
Loss on Drying		≤ 2.0%	0.8%	
Sulfated ash		≤ 0.5%	0.1%	
Moisture		≤ 2.0%	1.2%	
pH		2.0 – 3.0	2.5	
Residual Solvents		≤ 5000 ppm	Butyl acetate	18ppm
			Butyl alcohol	12ppm
Analyzed by (signature/date)		Checked by (signature/date)		
Hong Lian Wang 2023.03.23		Zhan Tao Li 2023.03.23		





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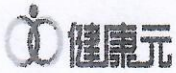
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Certificate of Analysis

Product Name	Demeclocycline hydrochloride	Batch No.	DH2303803
Packing	25kg×2/Drum	Mfg. Date	2023.03.08
Batch Size	1000kg	Retest.Date	2025.03.07
Storage Conditions	In an airtight container,protected from light		

Tests		Specification	Test results	
Organoleptic characters		Crystalline yellow powder	Conform	
Identification (By UV)	A	95.8 – 104.2% db	Conform	
	B	0.9 – 1.1	Conform	
DMCT + DMT (chrom. purity)		≥ 95% pc	97.88%	
Epi DMCT + Epi DMT (chrom. purity)		≤ 5% pc	1.85%	
DMCT (chrom. purity)		To report	94.05%	
DMT (chrom. purity)		To report	3.82%	
Epi DMCT (chrom. purity)		To report	1.85%	
Epi DMT (chrom. purity)		To report	Not detected	
DMCT (Assay)		≥ 900 µg/mg db	939	
Arquad		≤ 2000 ppm	231ppm	
Loss on Drying		≤ 2.0%	0.4%	
Sulfated ash		≤ 0.5%	0.1%	
Moisture		≤ 2.0%	1.2%	
pH		2.0 – 3.0	2.5	
Residual Solvents		≤ 5000 ppm	Butyl acetate	16ppm
			Butyl alcohol	11ppm
Analyzed by (signature/date)		Checked by (signature/date)		
Houylian Zhang 2023.03.16		Zhan Tao Li 2023.03.16		






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检验报告书

Certificate of Analysis

Product Name	Demeclocycline hydrochloride	Batch No.	DH2303805
Packing	25kg × 2/Drum	Mfg. Date	2023.03.12
Batch Size	1000kg	Retest.Date	2025.03.11
Storage Conditions	In an airtight container,protected from light		

Tests		Specification	Test results	
Organoleptic characters		Crystalline yellow powder	Conform	
Identification (By UV)	A	95.8 – 104.2% db	Conform	
	B	0.9 – 1.1	Conform	
DMCT + DMT (chrom. purity)		≥ 95% pc	97.61%	
Epi DMCT + Epi DMT (chrom. purity)		≤ 5% pc	2.06%	
DMCT (chrom. purity)		To report	93.72%	
DMT (chrom. purity)		To report	3.89%	
Epi DMCT (chrom. purity)		To report	2.06%	
Epi DMT (chrom. purity)		To report	Not detected	
DMCT (Assay)		≥ 900 µg/mg db	936	
Arquad		≤ 2000 ppm	285ppm	
Loss on Drying		≤ 2.0%	0.8%	
Sulfated ash		≤ 0.5%	0.1%	
Moisture		≤ 2.0%	1.1%	
pH		2.0 – 3.0	2.5	
Residual Solvents		≤ 5000 ppm	Butyl acetate	17ppm
			Butyl alcohol	8ppm
Analyzed by (signature/date)			Checked by (signature/date)	
Hoy Vian Shuy 2023.03.13			zhan tao li 2023.03.13	

JIAOZUO JOINCARE BIOTECHNOLOGICAL CO., LTD.


ADD: WANFANG INDUSTRIAL ZONE, JIAOZUO CITY, HENAN PROVINCE, CHINA, 454003

TEL:+86-391-3265066 FAX:+86-391-3265150

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Certificate of Analysis

Product Name	Demeclocycline hydrochloride	Batch No.	DH2303806
Packing	25kg×2/Drum	Mfg. Date	2023.03.20
Batch Size	1000kg	Retest.Date	2025.03.19
Storage Conditions	In an airtight container,protected from light		

Tests		Specification	Test results	
Organoleptic characters		Crystalline yellow powder	Conform	
Identification (By UV)	A	95.8 – 104.2% db	Conform	
	B	0.9 – 1.1	Conform	
DMCT + DMT (chrom. purity)		≥ 95% pc	96.96%	
Epi DMCT + Epi DMT (chrom. purity)		≤ 5% pc	2.63%	
DMCT (chrom. purity)		To report	93.17%	
DMT (chrom. purity)		To report	3.79%	
Epi DMCT (chrom. purity)		To report	2.63%	
Epi DMT (chrom. purity)		To report	Not detected	
DMCT (Assay)		≥ 900 µg/mg db	930	
Arquad		≤ 2000 ppm	263ppm	
Loss on Drying		≤ 2.0%	0.7%	
Sulfated ash		≤ 0.5%	0.1%	
Moisture		≤ 2.0%	0.8%	
pH		2.0 – 3.0	2.5	
Residual Solvents		≤ 5000 ppm	Butyl acetate	18ppm
			Butyl alcohol	8ppm
Analyzed by (signature/date)			Checked by (signature/date)	
Honglian Wang 2023.03.23			Zhan Tao Li 2023.03.23	



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Certificate of Analysis

Product Name	Demeclocycline hydrochloride	Batch No.	DH2303807
Packing	25kg × 2/Drum	Mfg. Date	2023.03.20
Batch Size	1000kg	Retest.Date	2025.03.19
Storage Conditions	In an airtight container, protected from light		

Tests		Specification	Test results	
Organoleptic characters		Crystalline yellow powder	Conform	
Identification (By UV)	A	95.8 – 104.2% db	Conform	
	B	0.9 – 1.1	Conform	
DMCT + DMT (chrom. purity)		≥ 95% pc	96.95%	
Epi DMCT + Epi DMT (chrom. purity)		≤ 5% pc	2.79%	
DMCT (chrom. purity)		To report	93.17%	
DMT (chrom. purity)		To report	3.79%	
Epi DMCT (chrom. purity)		To report	2.79%	
Epi DMT (chrom. purity)		To report	Not detected	
DMCT (Assay)		≥ 900 µg/mg db	931	
Arquad		≤ 2000 ppm	357ppm	
Loss on Drying		≤ 2.0%	0.5%	
Sulfated ash		≤ 0.5%	0.1%	
Moisture		≤ 2.0%	1.0%	
pH		2.0 – 3.0	2.5	
Residual Solvents		≤ 5000 ppm	Butyl acetate	17ppm
			Butyl alcohol	8ppm
Analyzed by (signature/date)		Checked by (signature/date)		
Hong Lian Zhang 2023.03.23		Zhan Tao 2023.03.23		






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检验报告书

Certificate of Analysis

Product Name	Demeclocycline hydrochloride	Batch No.	DH2303809
Packing	25kg×2/Drum	Mfg. Date	2023.03.24
Batch Size	700kg	Retest.Date	2025.03.23
Storage Conditions	In an airtight container,protected from light		

Tests		Specification	Test results	
Organoleptic characters		Crystalline yellow powder	Conform	
Identification (By UV)	A	95.8 – 104.2% db	Conform	
	B	0.9 – 1.1	Conform	
DMCT + DMT (chrom. purity)		≥ 95% pc	96.56%	
Epi DMCT + Epi DMT (chrom. purity)		≤ 5% pc	3.03%	
DMCT (chrom. purity)		To report	92.72%	
DMT (chrom. purity)		To report	3.84%	
Epi DMCT (chrom. purity)		To report	3.03%	
Epi DMT (chrom. purity)		To report	Not detected	
DMCT (Assay)		≥ 900 µg/mg db	934	
Arquad		≤ 2000 ppm	220ppm	
Loss on Drying		≤ 2.0%	0.7%	
Sulfated ash		≤ 0.5%	0.03%	
Moisture		≤ 2.0%	0.8%	
pH		2.0 – 3.0	2.4	
Residual Solvents		≤ 5000 ppm	Butyl acetate	19ppm
			Butyl alcohol	12ppm
Analyzed by (signature/date)		Checked by (signature/date)		
 Hong Lian sheng 2023.03.24		zhan tao li 2023.03.24		

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