



东北制药集团股份有限公司

NORTHEAST PHARMACEUTICAL GROUP CO., LTD

No.29 Shenxiliu Dong Road, Economic Technology Development District, Shenyang, P.R.China. Post code : 110869 FAX: 024-22724536 TEL:024-22721818

CERTIFICATE OF ANALYSIS

Aminobutyric Acid

BATCH NUMBER	DY00612200148	MANUFACTURE DATE	Sep.8.2022
BATCH SIZE	500kg	TEST DATE OF APPLICATION	Sep.9.2022
QUANTITY	20Cartons	RETEST DATE	Sep.7.2025
Analysis Items		Specifications	Analysis Results
1.	Characteristics	White or almost white crystals or crystalline powder	White crystalline powder
2.	Identification	Positive Positive	Positive Positive
3.	Clarity of Solution	≤0.5# turbidity standard solution	< 0.5# turbidity standard solution
4.	Melting Point	198°C ~ 204°C	200.5°C
5.	Acidity or Alkalinity(pH)	6.5 ~ 7.5	7.4
6.	Assay	99.0% ~ 101.0%	99.5%
7.	Chloride	≤0.004%	< 0.004%
8.	Sulphates	≤0.005%	< 0.005%
9.	Calcium	No opalescence	Meets the Requirements
10.	Heavy Metals	≤0.001%	< 0.001%
11.	Arsenic	≤0.0001%	< 0.0001%
12.	Residue on Ignition	≤0.07%	0.03%
13.	Loss on Drying	≤0.5%	0.23%
14.	Total aerobic microbial count	≤10 ³ cfu/g	10cfu/g
15.	Yeasts and Moulds	≤10 ² cfu/g	<10cfu/g
16.	Escherichia coli	Not detected	Not detected

We, Northeast Pharmaceutical Group Co., Ltd., certify that this batch of *Aminobutyric Acid* meets the requirements of Inhouse Standards.

Supervisor  2023.05.08

Final Batch Disposition (2)

Approved

质检专用章

By:

2023年5月8日



东北制药集团股份有限公司

NORTHEAST PHARMACEUTICAL GROUP CO., LTD

No.29 Shenziliu Dong Road, Economic Technology Development District, Shenyang, P.R China. Post code : 110869 FAX: 024-22724536 TEL:024-22721818

CERTIFICATE OF ANALYSIS

Aminobutyric Acid

BATCH NUMBER	DY00612200149	MANUFACTURE DATE	Sep.9.2022
BATCH SIZE	500kg	TEST DATE OF APPLICATION	Sep.9.2022
QUANTITY	20Cartons	RETEST DATE	Sep.8.2025
Analysis Items		Specifications	Analysis Results
1.	Characteristics	White or almost white crystals or crystalline powder	White crystalline powder
2.	Identification	Positive Positive	Positive Positive
3.	Clarity of Solution	≤0.5# turbidity standard solution	< 0.5# turbidity standard solution
4.	Melting Point	198°C ~ 204°C	200.5°C
5.	Acidity or Alkalinity(pH)	6.5 ~ 7.5	7.4
6.	Assay	99.0% ~ 101.0%	99.5%
7.	Chloride	≤0.004%	< 0.004%
8.	Sulphates	≤0.005%	< 0.005%
9.	Calcium	No opalescence	Meets the Requirements
10.	Heavy Metals	≤0.001%	< 0.001%
11.	Arsenic	≤0.0001%	< 0.0001%
12.	Residue on Ignition	≤0.07%	0.04%
13.	Loss on Drying	≤0.5%	0.18%
14.	Total aerobic microbial count	≤10 ³ cfu/g	10cfu/g
15.	Yeasts and Moulds	≤10 ² cfu/g	<10cfu/g
16.	Escherichia coli	Not detected	Not detected

We, Northeast Pharmaceutical Group Co., Ltd., certify that this batch of **Aminobutyric Acid** meets the requirements of **Inhouse Standards**.

Supervisor 
Final Batch Disposition

Approved



By:



2023年6月6日