

TECHNICAL SPECIFICATION



AMMONIUM PERCHLORATE 200

1. Basic Information

Product Name	Ammonium Perchlorate 200
Structural Formula	
Molecular Formula	H ₄ ClNO ₄
CAS No.	7790-98-9

2. Specifications

Parameter	Limit
Assay	99,0 % min.
Total Moisture	0,1% max.
pH (with TCP)	5,5 – 6,5
Chlorides (as NH ₄ Cl)	0,05% max.
Chlorates (as NH ₄ ClO ₃)	0,02% max.
Sulphates ((NH ₄) ₂ SO ₄)	0,07% max.
Bromates (as NH ₄ BrO ₃)	0,05% max.
Sodium and Potassium	0,03% max.
Acid insoluble matter	0,03% max.
Sulphated ashes	0,25% max.
Iron (as Fe ₂ O ₃)	0,001% max.

PARTICLE SIZE

D50	160- 210 µm
(*) Results obtained on free-flow fresh material during production process. Further measurements: • Due to hygroscopicity of material, further analysis results inaccurate. • Ultrasound dispersion of samples means particles rupture. • Do not determine particle size after anticaking addition.	

Particle Size – Passing rate	Limit
500 µm	>99.5%
425 µm	> 99%
300 µm	85-95%
200 µm	45-60%
150 µm	35-45%
106 µm	20-30%
75 µm	15-25%
45 µm	<10%
Analysis method: vibration sieve: 3 min Wide: 20mm	

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Comments:

- Non spherical ammonium perchlorate.
- Offensive or weapon use controlled under double use regulation

3. Additional Information

UN Number:	UN1442
Haz Class:	5.1
Packaging Group:	II

Packaging:

Inner: 25kg vacuum sealed aluminium bags with two desiccants inside.
Outer: Cardboard box