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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

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Gelatinous nitroglycerine explosive

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(English Translation)

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10 S-1 $\leq 25000\text{kg}$ C

Foreword

Table 1 of this Standard indicators of part (75 °C Abel stability, the content of toxic gases after the explosion), 7.1 mandatory, the remainder being pushed

Recommended nature.

This standard was drafted in accordance with rules GB/T 1.1-2009 given.

Please note that some of the content of this document may involve patents. The issuing

authority of this document does not assume responsibility to identify these patents.

The standard proposed by the People's Republic of China Ministry of Industry and Information Technology.

This standard by the People's Republic of China Standardization Technical Committee of the Ministry of Industry and Information Technology Explosive Materials.

This standard was drafted. Liaoning Qingyang Civil Explosive Materials Co., Ltd.

1 Scope

This standard specifies the classification and naming gelatinous nitroglycerine explosives, requirements, test methods, inspection rules and signs, packaging, transportation, storage Deposit and so on.

This standard applies to nitroglycerin (nitrate or mixed) with the other ingredients of the gum composition nitroglycerine.

2 Normative references

The following documents for the application of this document is essential. For dated references, only applies to the version dated paper Pieces. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 2828.1-2012 Sampling procedures - Part 1. Test batches by sampling the reception quality limit (the AQL) search plan GB/T 2829-2002 Sampling procedures and test cycle forms (for inspection of process stability) GB/T 9969 General Industrial Product Manual Generating GB/T 10111 random numbers and its applications in sampling the product quality GB/T 12436 explosive work capacity test lead casting method GB/T 12440 brisance explosive column test lead compression method GB/T 13228 Industrial explosive velocity assays GB/T 14436 General Industrial product assurance documents GB 14493 industrial explosive package GB/T 17582 industrial explosives classification and naming rules Determination of the content of toxic gases GB 18098 industrial explosives GB 28263-2012 Civil Explosives production and sales of enterprise security management procedures GJB770B-2005 Powder Test Method GA921 Civil Explosives warning labels, registration identification General WJ/T 9055 industrial explosive detonation from Test Method

3.1 Classification

3.1.1

gelatinous nitroglycerine explosives into ordinary gum nitroglycerine explosives and nitroglycerine explosives glial hard freeze by two types of anti-freeze properties.

3.1.2

Normal gelatinous nitroglycerine into different components according to No. 1, No. 2 two varieties.

3.1.3

hard frozen gelatinous nitroglycerine into different components according to No. 1, No. 2, No. 4, No. 5, No. 6, No. 7 six species.

3.2 Naming

Gelatinous nitroglycerine explosives naming should be consistent with GB/T 17582 requirements.

4.1 Performance

Gelatinous nitroglycerine explosives performance indicators should meet the requirements of Table 1.

Table 1 gelatinous nitroglycerine explosives performance indicators
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Ordinary, hard frozen hard freeze Moisture /% ≤ 1.0 Cartridge Density/(g/cm³) 1.4 ~ 1.6
1.4 ~ 1.6 1.4 ~ 1.6 1.2 ~ 1.4 1.2 ~ 1.4 1.0 ~ 1.2 Permeability resistance, junction two drugs
roll oil Stitch width/mm ≤ 5 ≤ 5 ≤ 5 ≤ 5 ≤ 3 Detonation distance/cm ≥ 8 ≥ 8 ≥ 8
 ≥ 8 ≥ 8 ≥ 6 Work capacity/mL ≥ 360 ≥ 360 ≥ 360 ≥ 360 ≥ 360 ≥ 340 Brisance/mm
 ≥ 15 ≥ 15 ≥ 15 ≥ 15 ≥ 15 ≥ 14 Detonation velocity/(m/s) ≥ 6000 ≥ 6000 ≥ 5500
 ≥ 5000 ≥ 5000 ≥ 3700 Water resistance level 1 75 °C Abel stability/min ≥ 10 Toxic gas
content after the explosion/(L/kg) ≤ 70 (roadway ≤ 50) Shelf life/month 242424121212

Note 1: you have special requirements of the product, its performance may be negotiated through consultation.

Note 2: Table boldface mandatory content.

Note 3: The shelf life from the date of completion of the explosives.

4.2 Specifications

Cartridge specification should $\Phi 25\text{mm} \sim \Phi 50\text{mm}$, length should be 200mm ~ 400mm.

5.1 Water

According to the provisions of Appendix A.

5.2 Density Cartridge

According to the provisions of Appendix B.

Permeability of 5.3

According to the provisions of Appendix C.

5.4 Detonation distance

Conducted in accordance with WJ/T 9055's.

5.5 Work capacity

Conducted in accordance with GB/T 12436 of.

5.6 Brisance

Conducted in accordance with GB/T 12440 of.

5.7 Detonation velocity

Conducted in accordance with GB/T 13228 of.

5.8-degree water

According to the provisions of Appendix D.

5.9 Abel stability

GJB770B-2005 according to the provisions of a method 503.2.

After the explosion of toxic gas content of 5.10 According to the provisions of GB 18098.

5.11.1 Drug roll outer diameter

Sample volumes medicine, drug volume in the axial direction center transdermal drug volume taken, remove the explosive, the transdermal drug volume to expand, from the center of the roll with a ruler to measure the drug at both ends of the axis equidistant width, i.e., drug volume Zhou Chang. Accurate to 1mm, the outer diameter of drug volume calculated according to formula (1).

Where.

--- roll outer diameter D of the drug value in millimeters (mm);

Numerical C --- drug volume circumference in millimeters (mm);

pi [pi] --- (take 3.14).