

662.235

. . , ( . . , . . , ” . . ,  
 . . . ( . . . ) ,  
 . . , . . ( , )  
 .  
 ,  
 - : , , ,  
 , .  
 .  
 .  
 : , , ,  
 , .

*Results of the researches on the development of the waterproof industrial explosive on the basis of ammonium nitrate with nitrocellulose covering are represented. Industrial explosive formulation is substantiated, explosive manufacturing technology is worked out, physical, chemical and explosive characteristics of this explosive are determined.*

*Key words: ammonium nitrate, cellulose nitrates, water-resistance, fluidized bed, covering.*

, ( ).  
 - ( )  
 [1, 2].  
 -  
 . ,  
 . - ,  
 , ,  
 . ,  
 ,  
 .  
 79/21 [3], ( 79/21  
 ). 21 % .  
 ,



( ) , ( )  
 , [6].  
 : 50...60 % ( -  
 12,2 %) 25...26,5 %  
 ( ) ( )  
 ) , , ) ,  
 ( ) , , .  
 ( ) .  
 25 %.  
 [7],  
 : , , , , .  
 , , , , , . 2.  
 2. -

, %	+1,05... -0,97
, /	144,16
, /	916...925
, /	909...920
,	2642...2705
,	276
, M	345,75
, /	5670
, / <sup>2</sup>	120546

« » « » - ,  
 ».  
 . 3.

3. -

	, /
2	21,91
2	5,25



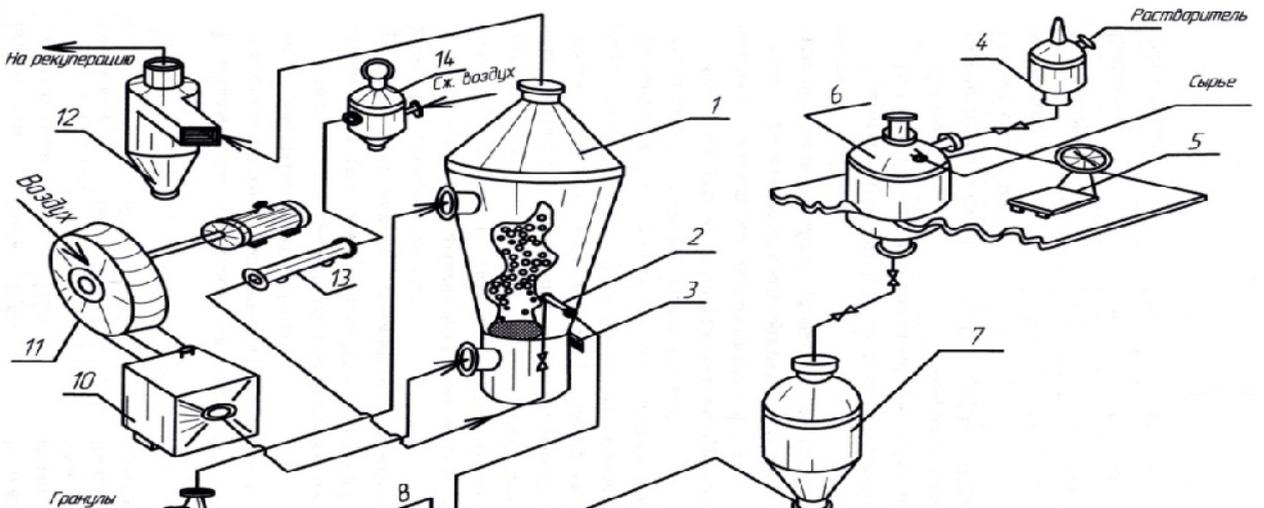
.1.

[8].

( ).

11, 12, 13, 14.

1 2 3.

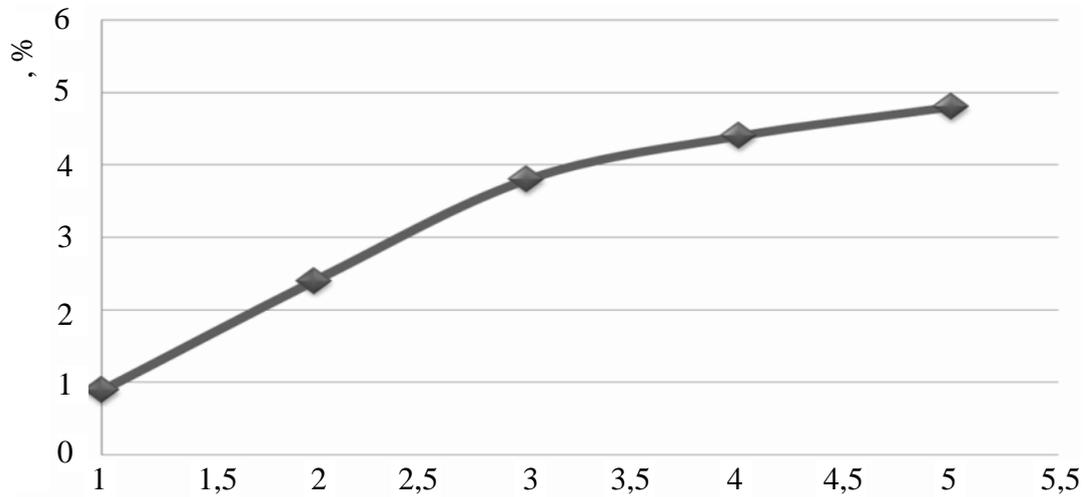


10. 1, 2. 11, 70<sup>3/</sup>, 35...40° 12, 6, 4 5. 6,5 %- 800 9 %- 7 2 750 / . 14, 1,2 / <sup>2</sup>. - 2 3 55 ° . 4. 4.

,	1,0
, °	35...40
, / <sup>2</sup>	1,2
, <sup>3/</sup>	70
,	2
, /	750

- , %	24...25,5
- , °	55
, %	0,5

-15  
0,11...0,13  
1...5  
.3.



.3.

1,5  
-8  
-400  
.5.  
5.

- , / 3	0,95...1,05
,	2,3...4,5
, /	986...905
, / 4545:	920...909
- , % 2, ,	+1,0500-0,97
- , 1, %	2705.0.2642

-44-III, / 2	3690
84-2085, . . ( 110° 5 ),	60
, .	$10^8 \dots 10^9$
,	1,0
, /	4,85 ... 5,1
, %/	0,8

1. . . . / . . . , . . . ,  
. . . . - : , 1988. - 358 .
2. . . . ; . 2- . . . - : , 1977. - 255 .
3. 3.50-14015318-032-95. 79/21 .
4. . . . - /  
. . . . , . . . . - , . - ,  
, 1988. - 48 .
5. . . . / . . . , . . . ,  
. . . . - : , 1984. - 360 .
6. 24.6-14015318-176-2007. .
7. . . . / . . . . -  
., 1964. - 106 .
8. . . . / . . . , . . . . -  
: , 1959. - 246 .

17.11.2011 .

. . . . , . . . .