

SUBSTANCE CLASSIFICATION TEST RESULTS

1. REQUESTING AGENCY		2. DATE (YYYYMMDD)
3. SUBSTANCE IDENTITY	4. ASSIGNED CLASSIFICATIONS/DESIGNATIONS	5. UN NUMBER

SECTION I - TEST SERIES 3

6. BUREAU OF EXPLOSIVES IMPACT MACHINE <i>(Test 3(a)(i))</i>	a. NUMBER OF TRIALS	b. HEIGHT <i>(cm)</i>	c. NUMBER FLAME/ EXPLOSION/ NOISE	d. NUMBER NO REACTION	e. NUMBER DECOM- POSITION/SMOKE <i>(No noise)</i>	f. PASS/FAIL	
	RDX/HMX						
7. ABL FRICTION TEST <i>(Test 3(b)(iii))</i> - PETN TIL FORCE (N):	a. NUMBER OF TRIALS	b. TIL FORCE (N)	c. SPARKS	d. FLAME	e. EXPLOSION	f. NOISE	g. PASS/FAIL
			h. THRESHOLD OF INITIATION (TIL) FORCE (N)				
8. THERMAL STABILITY TEST AT 75 °C <i>(Test 3(c))</i>	a. DETONATED (X)	b. IGNITED (X)	c. DECOMPOSITION (X)		d. FINAL TEMPERATURE <i>(°C)</i>		e. PASS/FAIL
	YES	YES	YES		(°C)		
9. SMALL SCALE BURNING TEST <i>(Test 3(d)(ii))</i>		a. SAMPLE	b. EXPLOSION (X)	c. DETONATION (X)	d. BURN (X)	e. PASS/FAIL	
		1					
		2					
		3					

SECTION II - TEST SERIES 4

10. STEEL TUBE DROP TEST FOR LIQUIDS	a. DENSITY <i>(g/cm3 (lb/gallon))</i>	b. TEMPERATURE <i>(°C (°F))</i>	c. MAXIMUM HEIGHT TESTED WITH NO DETONATION <i>(mm (in))</i>	d. PASS/FAIL
11. 12-METER DROP TEST FOR SOLID SUBSTANCES	a. SAMPLE	b. ATTITUDE	c. REACTION	d. PASS/FAIL

SECTION III - TEST SERIES 5

12. CAP SENSITIVITY TEST <i>(Test 5(a))</i>	a. NUMBER OF SAMPLES	b. COMPRESSION LENGTHS OF LEAD CYLINDER <i>(mm (in))</i>	c. HOLE IN WITNESS PLATE (X)		d. PASS/FAIL
			YES	NO	
13. DDT TEST <i>(Test 5(b)(iii))</i>	a. SAMPLE	b. HOLE IN WITNESS PLATE (X)		c. PASS/FAIL	
		YES	NO		
		1			
		2			
		3			
14. EXTERNAL FIRE TEST FOR HAZARD DIVISION 1.5 <i>(Test 5(c))</i>	a. NUMBER OF SAMPLES		b. NUMBER OF EXPLOSIONS	c. NUMBER OF BURNS	d. PASS/FAIL
15. PRINCESS INCENDIARY SPARK TEST <i>(Test 5(d))</i>	a. SAMPLE	b. IGNITION (X)		c. PASS/FAIL	
		YES	NO		
		1			
		2			
		3			
		4			
		5			

SECTION IV - TEST SERIES 7

16. EIDS CAP TEST <i>(Test 7(a))</i>	a. DETONATION (X)	b. PASS/FAIL
		YES
		NO
17. EIDS GAP TEST <i>(Test 7(b))</i>	a. DETONATION (X)	b. PASS/FAIL
		YES
		NO
18. SUSAN IMPACT TEST <i>(Test 7(c)(i))</i>	a. AVERAGE PRESSURE FOR TEN TESTS =	b. PASS/FAIL
		kPa (psi)

SECTION IV - TEST SERIES 7 (Continued)

19. FRIABILITY TEST <i>(Test 7(c) and 7(d)(ii))</i>	a. AVERAGE DP/DT FOR THREE TESTS =		b. MASS RECOVERED		c. PASS/FAIL	
	MPa/ms	(bars/ms)	g	(grains)		
20. EIDS BULLET IMPACT TEST <i>(Test 7(d)(i))</i>	a. SAMPLE NUMBER	b. EXPLODE (X)		c. DETONATE (X)		d. PASS/FAIL
		YES	NO	YES	NO	
	1					
	2					
	3					
	4					
	5					
6						
21. EIDS EXTERNAL FIRE TEST <i>(Test 7(e))</i>	a. MAXIMUM FRAGMENT MASS		b. MAXIMUM FRAGMENT DISTANCE		c. PASS/FAIL	
	g	(grains)	m	(ft)		
22. EIDS SLOW COOKOFF TEST <i>(Test 7(f))</i>	a. SAMPLE NUMBER	b. FRAGMENTS (X)		c. DETONATE/VIOLENT REACTION (X)		d. PASS/FAIL
		YES	NO	YES	NO	
	1					
	2					
3						

SECTION V

23. FLASH POINT TEST FOR LIQUID EXPLOSIVES	a. FLASH POINT (°C (°F))	b. PASS/FAIL
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SECTION VI - OPTIONAL TESTS

24. GAP TEST FOR SOLIDS AND LIQUIDS <i>(Test 1(a)(iii))</i>	a. SAMPLE NUMBER	b. PROPAGATION (X)		c. PASS/FAIL
		YES	NO	
	1			
	2			
25. INTERNAL IGNITION TEST <i>(Test 1(b)(iii))</i>	a. SAMPLE NUMBER	b. FRAGMENTS (X)		c. PASS/FAIL
		YES	NO	
	1			
	2			
3				

26. SLOW COOKOFF BOMB TEST <i>(Test 1(b)(iii))</i>	a. TIME (Min/sec)	b. TEMPERATURE (°C (°F))	c. SCB RUPTURED (X)		e. WITNESS PLATE DEFORMED (X)		g. PASS/FAIL
			YES	NO	YES	NO	
			d. SCB FRAGMENTED (X)		f. WITNESS PLATE PUNCTURED (X)		
			YES	NO	YES	NO	

27. GAP TEST FOR SOLIDS AND LIQUIDS <i>(Test 2(a)(iii))</i>	a. SAMPLE NUMBER	b. SAMPLE LENGTH (cm (in))	c. STABLE PROPAGATION (X)		d. HOLE IN WITNESS PLATE (X)		e. WITNESS PLATE THICKNESS (mm (in))	f. TUBE FRAGMENTED (X)		g. PASS/FAIL
			YES	NO	YES	NO		YES	NO	
	1									
	2									
3										

28. INTERNAL IGNITION TEST <i>(Test 2(b)(iii))</i>	a. SAMPLE NUMBER	b. PIPE FRAGMENTED (X)		c. END CAPS FRAGMENTED (X)		d. PASS/FAIL
		YES	NO	YES	NO	
	1					
	2					
3						

29. SLOW COOKOFF BOMB (SCB) TEST <i>(Test 2(b)(iv))</i>	a. TIME (Min/sec)	b. TEMPERATURE (°C (°F))	c. SCB RUPTURED (X)		e. WITNESS PLATE DEFORMED (X)		g. PASS/FAIL
			YES	NO	YES	NO	
			d. SCB FRAGMENTED (X)		f. WITNESS PLATE PUNCTURED (X)		
			YES	NO	YES	NO	

SECTION VII

30. REMARKS <i>(Test Report Citations)</i>
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