

**5. COMBUSTIBLE CARTRIDGE COMPONENTS FOR M-91  
(CASE, PROPELLANT RETAINING DEVICE (PRD) & IGNITER TUBE (IT))**

**1. ACCEPTANCE CRITERIA**

**1.1 CHEMICAL COMPOSITION OF CCC (CASE, PRD & IT) FOR M-91**

Ingredients	Composition		
	Case	PRD	IT
NC (Gun cotton), %	71.0 - 79.0	71.0 - 79.0	71.0 - 79.0
Colour Hue	132 - 152	132 - 152	132 - 152
Ethyl Centralite, %	1.8 - 3.0	1.8 - 3.0	1.8 - 3.0

**1.2 PHYSICAL PROPERTIES (CASE, PRD & IT) FOR M-91**

Test Parameters	Specified Value		
	Case	PRD	IT
Volatile Matter %	≤ 4.0	≤ 4.0	≤ 4.0
Methyl Violet at 134.5°C (in Minutes)			
Complete discolouration to pink	Not less than 40	Not less than 40	Not less than 40
Emission of brown fumes	Not less than 60	Not less than 60	Not less than 60

**1.3 DIMENSIONS (CASE, PRD & IT) FOR M-91**

Characteristics	Specification Limit		
	Case	PRD	IT
Dimensions #	As per drawing No. OFN/BMCS/M-91/CCC	As per drawing No. OFN/BMCS/M-91/PRD	As per drawing No. OFN/BMCS/M-91/M-92/IT

# Critical Dimensions to be checked as per Gauge Schedule

**1.4 Weight**

Characteristics	Specification Limit		
	Case	PRD	IT
Weight (g)	213.5 - 248.5	37-43	31-35

**1.5 Inspecting Authority:** GM / O F Nalanda or his authorised representative

**1.6 Accepting Authority:** GM / O F Nalanda or his authorised representative

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