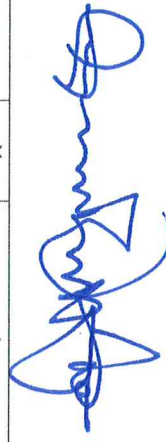


**HEADQUARTERS
PHILIPPINE ARMY
OFFICE OF THE ARMY QUARTERMASTER**
Fort Andres Bonifacio, Metro Manila

TEST PARAMETERS
PHILIPPINE ARMY ATHLETIC UNIFORM

TEST PARAMETERS	QM SPEC NR IC-21PAAU dated 27 May 2019	Classification	
		Major	Minor
Materials			
T-Shirt (Front Part)	85% ± 5 Polyester fabric and 15% ± 5 Spandex	X	
Color	Two (2) tone gray	X	
Thread Count/2.54 cm			
Wales	44 - 55		X
Courses	80 - 90		X
Thickness, mm	0.50 – 0.54	X	
Weight, g/m ²	175 (maximum)	X	
Type of Knit	Plain	X	
Absorbency, seconds (RDC method)	2 (maximum)		X
Color Quality (Color Difference)	1.5 (maximum) Spectrophotometric Method	X	
Dimensional Change, %	± 2% (max)	X	
Colorfastness	Change in Color Staining		
Laundrying	Grade 4 (minimum) Grade 4 (minimum)	X	
Perspiration	Grade 4 (minimum) Grade 4 (minimum)	X	
T-Shirt (Back Part)	85% ± 5 Polyester fabric and 15% ± 5 Spandex	X	
Color	Gray	X	
Thread Count/2.54 cm			
Wales	60 - 70		X
Courses	110 - 120		X
Thickness, mm	0.38 – 0.42	X	
Weight, g/m ²	145 (maximum)	X	
Type of Knit	Plain	X	
Absorbency, seconds (RDC method)	2 (maximum)		X
Color Quality (Color Difference)	1.5 (maximum) Spectrophotometric Method	X	
Dimensional Change, %	± 2% (max)	X	
Colorfastness	Change in Color Staining		
Laundrying	Grade 4 (minimum) Grade 4 (minimum)	X	
Perspiration	Grade 4 (minimum) Grade 4 (minimum)	X	
Lettering	With "ARMY" Lettering	X	
Collaret	Shall be the same material as specified in para 2.2.1.1.	X	
Thread, Sewing	Polyester	X	
Color	Black	X	
No. of Ply	2 ply (minimum)		X
Yarn Size, Denier	120 (minimum)		X
Breaking Strength, kg	1 (minimum)	X	

TEST PARAMETERS	QM SPEC NR IC-21PAAU dated 27 May 2019	Classification	
		Major	Minor
PA Logo			
Location	Shall be placed at the back of the T-Shirt 6 ± 0.5 cm from the upper edge of the collar	x	
Color and Type of material	using gray reflective rubberized material by heat transfer process	x	
Design and Dimension	The design and dimension of the logo shall be as illustrated in Figure 3	x	
ARMY Marking			
Location and Distance	Shall be placed on the left breast part of the T-Shirt with the following distances: Y and X	x	
Color and Type of material	using gray reflective rubberized material by heat transfer process	x	
Type & Size of Lettering	Stencil font, Size 100		x
Design	The design of the t-shirt shall be as illustrated in the specification	x	
Short Pants			
Color	100% Nylon	x	
Type of Weave	Black	x	
Yarn Size, Denier (Fine)	Plain with Ripstop Design	x	
Warp	60 (minimum)		x
Filling	110 (minimum)		x
Yarn Size, Denier (Course)			
Warp	200 (minimum)		x
Filling	230 (minimum)		x
Thickness, mm	0.20 – 0.25	x	
Weight, g/m ²	100 (maximum)	x	
Tensile Strength, kg			
Warp	40 (minimum)		x
Filling	20 (minimum)		x
Colorfastness	Change in Color Staining		
Laundrying	Grade 4 (minimum) Grade 4 (minimum)	x	
Perspiration	Grade 4 (minimum) Grade 4 (minimum)	x	
Color Quality (Color Difference)	1.5 (maximum) Spectrophotometric Method	x	
Elastic Band			
Width, cm	3.5 (minimum)		x
Elongation, %	3 (maximum)	x	
No. of Strands	28 (minimum)	x	
No. of Ply			
Warp	2 (minimum)		x
Filling	1 (minimum)		x
Breaking Strength ,kg (Per strand)	1.2 (minimum)	x	
Draw Cord			
Diameter, cm	Braided polyester or nylon	x	
Color	0.40 (minimum)	x	
	Black	x	
Plastic Reinforcement Tips	With plastic reinforcement tips	x	



TEST PARAMETERS	QM SPEC NR IC-21PAAU dated 27 May 2019	Classification	
		Major	Minor
Thread, Sewing			
Color	Polyester		X
No. of Ply	Same color shade as the basic material	X	
Yarn Size, Denier	2 ply (minimum)		X
Breaking Strength, kg	120 (minimum)		X
ARMY Marking			
Location and Distance	1 (minimum)	X	
Color and Type of material	Shall be printed on the front left part of the short pants	X	
Type & Size of Lettering	using gray reflective rubberized material by heat transfer process		
Zipper for side pockets	Stencil font, Size 100		X
Size	Nylon		X
Design	3 - 4	X	
Contractor's Label	The design of the short pants shall be as illustrated in Figures 2 and 3	X	
T-Shirt	With contractor's label	X	
Location			
Type of Ink	Shall be printed inside back portion of the Athletic Uniform, 2.5 ± 0.5 cm below the collaret seam		X
Type & Size of Lettering	Gray paint		X
Contents of Label	Arial font, Size 12		X
Short Pants			
Location	PHILIPPINE ARMY ATHLETIC UNIFORM		
Type of Ink	Name of Contractor:		
Type & Size of Lettering	Size:		
Contents of Label	WASHING INSTRUCTION		X
	MACHINE WASHABLE / WASH WITH LIKE COLORS DO NOT BLEACH / TUMBLE DRY LOW / WARM IRON DO NOT IRON DESIGN / DO NOT DRY CLEAN		
Location	Shall be printed outside portion of the right side pocket	X	
Type of Ink	Gray paint		X
Type & Size of Lettering	Arial font, Size 12		X
Contents of Label	PHILIPPINE ARMY ATHLETIC UNIFORM		
	Name of Contractor:		
	Size:		
	WASHING INSTRUCTION		X
	MACHINE WASHABLE / WASH WITH LIKE COLORS DO NOT BLEACH / TUMBLE DRY LOW / WARM IRON DO NOT IRON DESIGN / DO NOT DRY CLEAN		
Construction			
Collaret	Shall have a width of 1.0 – 1.5 cm		
Waistband	shall be provided with elastic band as specified in para 2.2.2.2	X	
			X

TEST PARAMETERS	QM SPEC NR IC-21PAU dated 27 May 2019	Classification		
		Major	Minor	
Side Pockets of short pants	same as the basic material sewn at the both sides of the short pants as illustrated in Figure 2 & 3	X		
Location		X		
Draw Cord	Shall be sewn on the center back portion of the waistband There shall be two (2) outlets for both ends of the draw cord placed inside the front portion of waistband	X		
		X		
Side Slit	Shall be provided with side slit at the outer sides of both thighs	X		
Bottom Hem	The bottom hem of the short pants shall have double rows of stitching.		X	
Size and Measurements, cm	Size:			
T-Shirt				
Body Width	See page 8, Measurements as to Different Sizes in Centimeters Table 1 (T-Shirt)	X		
Body Length		X		
Shoulder Sleeve Length		X		
Sleeve Opening		X		
Sleeve Length		X		
Neck Width		X		
Neck Drop		X		
Width of Hem		2.5 ± 0.2		X
Size and Measurements, cm		Size:		
Short Pants				
Waistline (unstretched)	See page 8, Measurements as to Different Sizes in Centimeters Table 2 (Short Pants)	X		
Waistline (stretched)		X		
Length of Outseam		X		
Perpendicular Rise (waistband to crotch)		X		
Length of Inseam		X		
Width of Hip (measured 15 cm from top of waistband)		X		
Bottom Width		X		
Bottom Hem		X		
Side Slit			X	
Print Placement			X	
Length of Drawcord		X		
TOTAL TEST POINTS		75	34	


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