



SAFETY CONTROL DIVISION
PPE TESTING AND ASSESSMENT PROCEDURE
SAFETY SPECTACLES/GOGGLES/FACESHIELD TEST RESULTS

OSHC-QF-SCD-PPE-13
 Revision No.: 01
 Effective: January 14, 2019

Request Reference Code: PPE-SSPECS-2020-022

BRAND NAME	Neuking	MODEL:	NKY21-O-C
TYPE	Safety Spectacles		
DISTRIBUTOR	King's Safetynet Inc.		
ADDRESS	849 O.L. Liongson Bldg., Tomas Mapua St., Sta. Cruz, Manila		

Lens Material: <u>Polycarbonate</u> Lens Shade or Color: <u>Clear Lens</u> Temple Type: <u>Fixed Length</u> Temple Color: <u>Orange</u> Frame Type/Material: _____ Frame Color: _____ Other Information: _____ _____ _____	Remarks: Testing Standard: Occupational Safety and Health Standards Rule 1080: Personal Protective Equipment and Devices Based on ANSI/ISEA Z87.1 - 2015 American National Standard Occupational and Educational Personal Eye and Face Protection Devices
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A. HIGH MASS IMPACT TEST

SPECIMEN NUMBER	LENS THICKNESS mm	REMARKS	CRITERIA
1	Left	1.95	A complete device shall fail if any of the following is observed after impact: 1. Any part becomes detached from the inner surface 2. Fracture 3. Penetration of inner surface / rupture of the inner surface 4. Lens not retained
	Right	1.96	
2	Left	1.91	
	Right	1.94	
3	Left	1.95	
	Right	1.94	

PASSED
No Failing Criteria

B. IGNITION TEST

SPECIMEN NUMBER	TEST TEMPERATURE °C	OBSERVATIONS	REMARKS	CRITERIA
1	650	No ignition or glow was observed	PASSED	Each externally exposed material of protector (exclusive of textiles or elastic bands) shall not ignite or continue to glow once the heated rod is removed.



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C. REFRACTIVE POWER, ASTIGMATISM, RESOLUTION AND PRISMATIC POWER TESTS				
OPTICAL TESTS		MEASUREMENTS / OBSERVATIONS	REMARKS	CRITERIA
Refractive Power	Left	- 0.04 (D)	PASSED	The tolerance for the refractive power of the lenses shall not exceed ± 0.06 diopter (D)
	Right	- 0.03 (D)		
Astigmatism	Left	0	PASSED	The tolerance for astigmatism of the lenses shall be ≤ 0.06 diopter (D)
	Right	0		
Resolving Power	Left	All lines were resolved	PASSED	Identify the three (3) discernible lines in both the horizontal and vertical axes of test pattern 20
	Right	All lines were resolved		
Prismatic Power	Left	0.20 (Δ)	PASSED	The prismatic power of the protector shall be ≤ 0.50 prism diopters (Δ)
	Right	0.10 (Δ)		
D. CORROSION RESISTANCE TEST OF METAL COMPONENTS				
SPECIMEN NUMBER	TEST REQUIREMENTS	OBSERVATIONS	REMARKS	CRITERIA
3	Metal parts shall be submerged in the boiling solution (10% by weight of sodium chloride in water) for a period of fifteen minutes. Upon removal, shall be immediately immersed in the room temperature saline solution. Allowed to dry for 24 hours at room temperature.	No corrosions on metal parts were observed	PASSED	Metal components used in protectors shall be corrosion resistant to the degree that the function of the protector shall not be impaired by the corrosion and the protector can be worn as intended.
COMMENTS: The specimens passed the requirements of ANSI/ISEA Z87.1 - 2015 for High Mass Impact Test Ignition Test, Refractive Power Test, Astigmatism, Resolving Power Test, Prismatic Power Test, and Corrosion Resistance Test.				

Test Conducted By:

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 MS. VINIA O. CADELINA
 Engineering Assistant

Ramon B. Fernando
 ENGR. RAMON B. FERNANDO
 Engineer III

Noted By:

C.T. Sto. Tomas
 ENGR. CONCEPCION T. STO. TOMAS
 Chief, Safety Control Division

Date:

JULY 16, 2020

Nelia G. Granadillos
 ENGR. NELIA G. GRANADILLOS
 OIC - Deputy Executive Director