

SUBJECT:

Type testing of industrial safety helmets submitted by Rectitude Pte Ltd on 24 March 2022.

TESTED FOR:

Rectitude Pte Ltd.
35 Tampines Industrial Ave 5,
T5 @ Tampines,
Singapore 528627

TEST DATE:

24 March 2022, 11 May 2022

METHOD OF TEST:

SS 98: 2013 Specification for industrial safety helmets

TESTS CONDUCTED:

The following tests were conducted:

- a. Construction
- b. Force Transmission (Hot & Wet condition)
- c. Penetration resistance (Hot & Wet condition)
- d. Resistance of flame
- e. Chinstrap Anchorage
- f. Marking

DESCRIPTION OF SAMPLE:

08 pieces of industrial safety helmets with chin strap were submitted with the following description

Brand/Model: OSPREY / OSH18
Colour: White, Yellow, Red & Blue
Country of origin: China
Chin strap: Hook on to the helmets shell.



The results reported herein have been performed in accordance with the laboratory's terms of accreditation under the Singapore Accreditation Council – Singapore Laboratory Accreditation Scheme.

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TEST RESULTS:

Type of tests	Results	SS 98: 2013 Requirements
Construction	Complied	Clause 4
Force transmission (Hot & Wet condition)	Complied	1. Force $\leq 5\text{kN}$ 2. Crack $\leq 50\text{mm}$
Penetration resistance (Hot & Wet condition)	Complied	Strike shall not contact headform surface.
Flame resistance	Complied	The material of the shell shall not burn with the emission of the flame.
Chinstrap Anchorage	Complied	It shall be released at a force of $\geq 150\text{N}$ and $\leq 250\text{N}$ due to failure only of the anchorage(s) or breakage of chinstrap.
Markings	Complied	Clause 7

CONCLUSION:

Based on the results above, the industrial safety helmets submitted complied with the requirements of SS 98:2013.

Sam Au
Testing Officer

Chua Peck Cheong
Senior Manager

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Appendix:

Photo 1: Top view of Industrial Helmets

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Appendix:



Photo 2: Internal view of Industrial Helmets

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