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Your ref : Black RBBOV007  
Our ref : 08035  
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Mr Chris Albonico  
Chevan Enterprises P/L  
4/19 Innovation Circuit  
Wangara WA 6947

**EVALUATION TESTS TO  
CONSUMER PRODUCT SAFETY STANDARD:  
Sunglasses and Fashion Spectacles (2003) – Children's Sunglasses**

Submitted for test by : Chevan Enterprises P/L  
Supplier : Chevan Enterprises P/L  
Manufacturer : Baby Banz  
Identifier : 08035-1

**DESCRIPTION OF SAMPLE**

One pair of smoke plastic lenses mounted to a glossy black plastic frame. The frame is attached to a black neoprene strap. The outside of the strap is marked 'Retro BABY BANZ'. A swing-tag attached to the frame is labelled 'Retro Baby Banz Category 3 Sunglasses High Sun glare Reduction Good UV Protection These sunglasses are intended for use by children. These sunglasses meet the following standards: AS1067:2003 BS EN 1836:2005, EN71 PTS & SI 1643'. A removable sticker attached to the lens is labelled 'CATEGORY 3 CE UV400'.

**SECTION 2 REQUIREMENTS FOR SUNGLASS LENSES**

**2.1 Transmittance Requirements and Lens Categories**

**2.1.2 Transmittance requirements**

Luminous transmittance ( $\tau_v$ )		10.6%	Category 3
Category 0	over 80% to	100%	
Category 1	over 43% to	80%	
Category 2	over 18% to	43%	
Category 3	over 8% to	18%	
Category 4	over 3% to	8%	
Ultraviolet spectral transmittance			
280-315nm	Measured spectral transmittance	<0.1%	
	Maximum	0.05 $\tau_v$	Pass
315-350nm	Measured spectral transmittance	<0.1%	
	Maximum	Category 0 – 2	$\tau_v$ N/A
		Category 3 – 4	0.50 $\tau_v$ Pass

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315-400nm	Measured mean transmittance	<0.1%	
	Maximum	Category 0 - 2	$\tau_v$ N/A
		Category 3 - 4	0.50 $\tau_v$ Pass
<b>Spectral transmittance</b>			
450-650nm	Measured spectral transmittance	0.88 $\tau_v$	Pass
	Minimum	0.20 $\tau_v$	
<b>Relative visual attenuation for traffic signal detection (Q)</b>			
Red	Minimum	0.80	Measured 1.20 Pass
Yellow	Minimum	0.80	Measured 1.04 Pass
Green	Minimum	0.60	Measured 0.99 Pass
Blue	Minimum	0.70	Measured 1.09 Pass

2.1.3 Claims of luminous transmittance Category 3

## 2.2 Other Transmittance Requirements

2.2.1 Uniformity of luminous transmittance of uniformly tinted lenses N/A  
 2.2.2 Transmittance matching for pairs of sunglass lenses Pass  
 2.2.3 Uniformity of colour for pairs of sunglass lenses Pass

## 2.3 Special Transmittance Requirements

2.3.1 Photochromic lenses N/A  
 2.3.2 Polarizing lenses N/A  
 2.3.3 Gradient lenses N/A

## 2.4 Claimed Transmittance Requirements

2.4.1 General (see Clause 2.1.3) See below  
     Claims made: 'UV400'  
 2.4.2 Blue-light absorption/transmittance No claims made  
 2.4.3 UV absorption/transmittance See below  
 2.4.3.1 UV absorption No claims made  
 2.4.3.2 UV transmittance Pass

## 2.5 Optical Power of Lenses

2.5.1 Spherical and cylindrical power Pass  
 2.5.2 Local aberrations in spherical and cylindrical power Not required  
 2.5.3 Prismatic power – Individual unmounted lenses N/A  
 2.5.4 Prismatic power difference – Assembled sunglasses Pass

2.6 Scattered light Not required

2.9 Ignition Material known and previously tested

## SECTION 3 REQUIREMENTS FOR ASSEMBLED SUNGLASSES

3.1 General Construction Pass

### 3.2 Eye Coverage and Field of View

3.2.1 Eye coverage (Categories 2, 3 and 4 only)  
 3.2.1.2 Assembled sunglasses N/A  
 3.2.1.3 Children's sunglasses Pass  
 3.2.1.4 Clip-ons and slip-ons N/A  
 3.2.2 Field of view Pass

### 3.4 Mechanical Requirements

3.4.1 Security of the lenses in the frame Pass  
 3.4.2 Impact resistant sunglasses and fashion spectacles Not claimed

3.5 Ignition Material known and tested previously

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This document is issued in accordance with NATA's accreditation requirements.

The results of tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

Accredited for compliance with ISO/IEC 17025.

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Checked by *me*

## SECTION 4 MARKING AND LABELLING

### 4.1 Information to be Supplied

4.1.1	All assembled sunglasses and individual sunglass lenses	
	(a) Identification of manufacturer or supplier	Required
	(b) Lens category number and description	Present
4.1.2	Category 1 lenses	Not claimed
4.1.3	Category 4 lenses	Not claimed
4.1.4	Photochromic lenses	Not claimed
4.1.5	Non-conforming lenses	Not claimed

### 4.2 Methods of Marking and Labelling

4.2.1	Form of labelling	Frame + Swing-tag
4.2.3	Legibility	Pass

4.3 Transmittance Claims See Clause 2.4

4.4 Impact Resistance Not claimed

These sunglasses DO meet the requirements of the Consumer Product Safety Standard: Sunglasses and Fashion Spectacles (2003), provided the additional information as required in Section 4 accompanies the glasses.

### COMMENTS :

The Standard requires these sunglasses be accompanied by the appropriate labelling as specified below.

Category 3 Sunglasses  
High sunglare reduction  
Good UV protection

These sunglasses need to be accompanied by an Australian-based supplier's identifier and contact details at the point of sale.

*(Not part of the NATA endorsed report):*

These glasses have been tested to the requirements of the Consumer Product Safety Standard (CPSS) 2003, which is a subset of tests from AS/NZS 1067. This report alone cannot be used to demonstrate full compliance to AS/NZS 1067.

Please be advised that the correct designation for the standard is AS/NZS 1067:2003.

Stephen Dain PhD  
Authorised Signatory

Brian Cheng  
Authorised Signatory

Notes: The uncertainties stated in this report have been calculated in accordance with principles in the ISO Guide to the Expression of Uncertainty in measurement, and give intervals estimated to have a level of confidence of 95%. A coverage factor (k) of 2.0 was used.

The following least uncertainties for the measurements reported have been taken into account when assessing compliance:

Uncertainty in luminous transmittance	±0.1%
Uncertainty in chromaticity	±0.0015
Uncertainty in refractive power	±0.005D
Uncertainty in prismatic power	±0.03D

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