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*Design Report*  
*P1542J01-RPT-01*

*POLYAIR EPE50 POSITIVE*  
*FLOTATION FOAM*

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## Scope

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Review supplied data for 'POLYAIR EPE50' buoyancy foam and prepare a technical report showing compliance with the NSCV requirements for positive flotation foam.

## References

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1. Viclab P/L Test report # 140359(i) dated 10/04/2014 pages 1 to 5
2. Viclab P/L Test report # 140457 dated 12/05/2014 page 1 of 1
3. ANNEX 6 RESOLUTION MSC.81 (70) Revised recommendations on testing of life saving appliances.

## Standards

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ANNEX 6 RESOLUTION MSC.81 (70) Revised recommendations on testing of life saving appliances.  
NSCV National Standards for Commercial Vessels – ANNEX F - TESTS FOR LOW DENSITY FLOTATION MATERIALS.

## Revisions

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A – 19/08/2014 - Original

## Summary/Declaration

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The polyethylene expandable foam named as POLYAIR EPE 50 passes Annex 6 of IMO Resolution MSC.81 (70) revised recommendations on Testing of Life Saving Appliances and subsequently is deemed-to-satisfy the requirements and tests listed in the NSCV PART C6B Annex F - Tests for low density flotation materials.

Refer:

Attachment A – ANNEX F Tests for Low-Density Flotation Materials

Attachment B – ANNEX 6 RESOLUTION MSC.81 (70)

Attachment C – VICLAB test results (Reports No. 140359(i) & 140457)

The low density material is to be classed as “LDFM A” & “LDFM B” types.

The foam was tested to a depth of 1.25m

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