

TEST REPORT

Consumer Lab Denmark
(ForbrugerLaboratoriet ApS)
Industrivej 9 A-C
DK-5500 Middelfart
Denmark

Client	FB Trading ApS Omega 9 DK-8382 Hinnerup	Report no.	R22584/01
		Enclosure	None
		Date	30.06.2022
Customer ref.	Carl-Gustav Schimmelmann	Lab. ref.	TRF

Test sample	Soothers for babies and young children
Name/model	FRIGG/ Moon Phase Silicone, size 1 (0-6m) and 2 (6-18m)
Received date	23.06.2022
Selection principle	Samples delivered by the customer.

Lab Id no.: N22450-size1



Lab Id no.: N22450-size2



Description	Soothers made of polymer with silicone nipples. Ventilation and decorative holes are present in the shield. Shield diameter: $\approx 46,3$ mm
Test date	24.06 – 30.06.2022
Conclusion	The soothers met the applied requirements of EN 1400 (see extent in section 4.2.1)

Authorized


Torben Foged
Director

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1. INFORMATION

This test report contains the test result in accordance with the specified method.

2. TEST EQUIPMENT

Equipment numbers registered at the Laboratory.

3. TEST METHOD

EN 1400:2013+A2:2018 – Soothers for babies and young children

4. RESULTS

The test results apply only to the sample(s) tested.

4.1 Conclusion

The soothers met the applied requirements of EN 1400 – see section 4.2.1.

Chemical properties and packaging were not tested as a part of this reporting.

4.2 Method, requirements and results

In the following the requirements from the standard are extracted/summarized for the purpose of this test report. The exact and prevailing wordings, definitions, illustrations and methods are to be found in the standard(s).

Legend:

Pass	Passed
Fail	Failed
NA	Not applicable
NT	Not requested tested

4.2.1 Safety requirements, EN 1400, section 7 - 13

Test were carried out in the order stated in EN 1400. Conditioning in accordance with cl. 6.3.2/6.3.3.

Requirement	Safety requirement in accordance with: EN 1400:2013+A2:2020	Method	Remarks	Result
7	Printing and decals			
	There shall be no printing on the sucking face of the shield. Adhesive decals and labels shall not be attached to any part of the soother. No decorations shall be attached to any part of the soother by glue. A soother may be decorated, including moulded in, imprinting and printing. Imprinting may include techniques such as			Pass

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Requirement	Safety requirement in accordance with: EN 1400:2013+A2:2020	Method	Remarks	Result
	stamping and laser etching. No form of decoration shall be removed during the boiling stage (see 6.3.2).			
8	Construction properties and test			
8.1	General			
	The soother shall be free from any sharp points or edges and free of flash and burrs. The soother shall have no removable parts other than a teat protector (see Clause 11). Soothers have been known to become lodged in a child's mouth. Attention should therefore be made to the design of all soother components to allow the assembled soother to be gripped as easily as possible, thereby facilitating removal of the soother from the child's mouth. Attention should also be made to the design of the soother to ensure that it may be cleaned as easily and as efficiently as possible (see B.3).	-	Assessed to comply with the requirement. No test method for this part of 8.1. Yet the design with a ring seems appropriate to comply.	Pass
8.2	Teat			
8.2.1	When tested, the effective penetration of the teat shall not be greater than 35 mm. The teat shall not include any hole in front of the sucking face side of the shield. Any hollow section of the teat shall not contain solid, fluid or gaseous substances (except air) nor shall it contain any inserts except for the plug.	8.2.2	The teats penetrated: Size 1: ≤ 28,0 mm Size 2: ≤ 30,1 mm	Pass
8.3	Shield			
	The soother shall incorporate a shield. When tested, the shield shall not pass through the shield template.	8.3.2		Pass
8.4	Shield ventilation			
	The shield shall have at least two ventilation holes each including a \varnothing 4 mm area and an area of at least 20 mm ² . The centre of the two holes shall be at least 15 mm apart, on each side of the "minor axis", and their edges at least 5 mm from the shield edges. The two holes shall be symmetrically positioned on each side of the shield axis. Non-circular holes should avoid acute V-shaped angles or inward facing angles that are not well rounded.	8.4.2.1 8.4.2.2		Pass

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Requirement	Safety requirement in accordance with: EN 1400:2013+A2:2020	Method	Remarks	Result
8.5	Ring			
8.5.1	<p>Rings made of non-flexible materials shall comply with the following requirements.</p> <p>When tested, the effective penetration, dimension A, which is the distance from the tip of the ring to the rear face of the shield, shall not be greater than 35 mm.</p> <p>Dimension A shall not be greater than 1,4 times dimension B, the widest width of the ring.</p> <p>When tested the opening in the ring shall allow test sphere D to pass through.</p> <p>When tested the ring shall collapse to 16 mm or less above the shield.</p> <p>Soothers fitted with rings that do not meet all the above requirements shall be treated as if they are fitted with a knob made from non-flexible materials, see 8.7</p>	<p>8.5.2</p> <p>8.5.2.3</p> <p>8.5.2.4</p>	Penetration ≤ 32,4mm.	Pass
8.6	Plug			
	A plug shall not project more than 3 mm beyond the sucking face of the shield	8.6.2	Max. projection was 2,8 mm	Pass
8.7	Knobs, plugs and/or covers made from non-flexible materials			
	<p>A knob, plug or cover made from non-flexible materials, whichever projects furthest beyond the rear face of the shield, shall not be less than 10 mm and not more than 16 mm, unless the soother is fitted with a ring that meets requirement 8.5.1.</p> <p>Requirement 8.7.1 shall also apply to a ring made of non-flexible materials that does not meet requirement 8.5.1</p>	8.7.2	Fitted with a ring in accordance with 8.5.1.	NA
8.8	Knobs, plugs and/or covers made from flexible materials			
	If made of flexible materials, the effective penetration of the ring knob, plug and/or cover shall not be less than 10 mm and not more than 35 mm when tested.	8.8.2		NA
8.9	Openings			
	<p>When tested, there shall be no openings that allow test sphere B to enter and penetrate at least the complete size of test sphere B (5,5 mm), unless test sphere C enters the opening at least the same depth that test sphere B penetrated.</p> <p>This requirement only applies to components made of materials with a Shore A hardness of more than 60.</p>	8.9.2	Shore A > 60.	Pass

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Requirement	Safety requirement in accordance with: EN 1400:2013+A2:2020	Method	Remarks	Result
	Circular holes not meeting this requirement present a risk of restricting circulation. Non-circular holes with acute V-shaped angles or inward facing angles that are not well rounded are to be avoided			
9	Mechanical properties			
9.1	Impact resistance			
9.1.1	When tested no part of the soother shall break, tear or separate. Subsequently when tested in accordance with 9.7.2.2, tensile test, no part of the same soother shall break, tear or separate.	9.1.2 9.7.2.2		Pass
9.2	Puncture resistance			
9.2.1.1	When tested in accordance with 9.2.2.1 a force greater than 30 N shall be required to cut completely through one wall of the teat, or for a solid teat through the whole of the teat	9.2.2.1	Forces required to cut through the teat were: Size 1: > 38 N Size 2: > 38 N	Pass
9.2.1.2	When tested in accordance with 9.2.2.2 soothers fitted with a knob made of flexible materials, shall require a force greater than 30 N to cut completely through one wall of the knob, or for a solid knob made of flexible materials, through the whole of the knob	9.2.2.2		NA
9.3	Tear resistance			
9.3.1.1	When tested the teat shall not break or separate during the subsequent tensile test in accordance with 9.7.2.2.	9.3.2.1 9.7.2.2		Pass
9.3.1.2	If the soother is fitted with a knob made of flexible materials, when tested the knob shall not break or separate during the tensile test in accordance with 9.7.2.2.	9.3.2.2 9.7.2.2		NA
9.4	Knob, plug and/or cover retention			
9.4.1	When tested no part of the soother shall break or separate when checked by visual inspection	9.4.2		Pass
9.5	Bite endurance of elastomeric components			
9.5.1	When tested in accordance with 9.5.2, no elastomeric component of the soother shall not break, tear or separate by visual inspection. When subsequently tested in accordance with 9.7.2.2, tensile test, no elastomeric component of the soother shall break, tear or separate.	9.5.2 9.7.2.2		Pass

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Requirement	Safety requirement in accordance with: EN 1400:2013+A2:2020	Method	Remarks	Result
9.6	Rotation endurance			
9.6.1	If any part is capable of being rotated (360°) within the teat of the soother when a torque of (1 ± 0,2) Nm is applied, the teat when tested and followed by 9.7.2.2, shall not tear or separate.	9.6.2 9.7.2.2		Pass
9.7	Integrity			
9.7.1	When tested no part of the soother shall break, tear or separate when checked by visual inspection. Additional tests shall be carried out to ensure the integrity of all components not already examined as part of 9.1 to 9.6.	9.7.2.2 9.7.2.3	Tensile tested with 95 N No parts were broken, torn or separated.	Pass
10	Chemical requirements and test methods			
10.1	General			
	Materials used for manufacturing soothers shall be subjected to the sample preparation as specified in 6.4 and the tests listed in Table 4.			NT
10.2	Materials			
	Soothers or components of soothers shall be subjected to the tests marked with an x in Table 4.			NT
10.3	Migration of certain elements			
	When tested in accordance with 10.3.2 the migration of elements from any material used in the manufacture of soothers shall not exceed the limits given in Table 5.	10.3.2		NT
10.4	N-Nitrosamines and N-Nitrosatable substances release			
	When tested the total release of N-Nitrosamines and N-Nitrosatable substances from any elastomer or rubber component shall not exceed the limits given in Table 6.	10.4.2		NT
10.5	MBT, Antioxidant and Formaldehyde release			
	When tested the release of MBT, Antioxidant and Formaldehyde shall not exceed the limits given in table 7, 8 and 9.	10.5.2		NT
10.6	Bisphenol A (BPA) release			
	When tested, the migration of Bisphenol A shall not exceed the limit given in Table 10.	10.6.2		NT
10.7	Colour Fastness			
	When all parts are tested, colour fastness to saliva shall be > 4 on the grey scale as defined in EN 20105-A03.	10.7.2		NT

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10.8	Volatile Compound Content			
	When silicone rubber components of soothers are tested in accordance with 10.8.2, and the results calculated in accordance with 10.8.2.3, the volatile compounds content shall not exceed 0,5 % (m/m).	10.8.2		NT
11	Teat protectors			
11.1	General			
			No teat protector.	-
11.2	Visual/tactile			
				NA
11.3	Size			
				NA
11.4	Ventilation holes			
				NA
11.5	Openings			
				NA
11.6	Cup-shaped teat protectors			
				NA
11.7	Impact resistance			
				NA
12	Consumer packaging			
12		-	No packaging and information submitted for testing.	NT
13	Product information			
13.1	General			NT
13.2	Purchase information			NT
13.3	Instructions for use			NT
13.4	Supply chain information for products that contain vulcanised rubber			NT

4.2.2 Notes and remarks

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5. REFERENCES

DS/EN 1400:2013+A2:2018 Child use and care articles – Soothers for babies and young children – Safety requirements and test methods.

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General Terms and Conditions - Consumer Lab Denmark



These General Terms and conditions shall apply to all commissioned work performed by Consumer Lab Denmark (CLD) for a contracting party (customer), including but not limited to consulting, teaching, testing, researching, developing, sale and leasing. The terms shall also apply all other and subsequent agreements between CLD and the customer unless otherwise agreed. Unless specifically accepted in writing by CLD any deviating terms and conditions or provisions against these terms contained in the order or accept from the customer shall not apply.

1. Definitions

- 1.1 By CLD is meant the company Consumer Lab Denmark ApS, including the additional names; ForbrugerLab, FLAB, ForbrugerLaboratoriet, VAT no. DK28514808.
- 1.2 By the customer is meant CLD's customer/business partner no matter if he is a person, company, organization, authority or other.
- 1.3 By CLD's name and trademark is meant CLD's company name, additional names, calling names, trademarks and or texts of any kind, which CLD uses in its business – no matter if these are registered trademarks or not – and/or which are capable of relating CLD with another company's products and/or other activities.
- 1.4 By marketing is meant all the customers activities and materials for the purpose of promoting, positioning and/or selling his products, and the context in which these activities and materials are used in, no matter the type and shape. Including, but not limited to marketing materials, media, and relations as well as press releases.

2. Scope of commissioned work

- 2.1 The nature, scope and financial conditions is to be stated in a written agreement. Any amendments to the agreement shall be in writing.
- 2.2 Quotations from CLD are, if not stated otherwise in the quotation, valid for 30 days.
- 2.3 Time schedules, prices, etc. are approximate unless otherwise agreed in writing. Should CLD foresee major increase in prices or delays compared to the agreed or significant obstacles for the performance of the work, the customer shall be informed thereof, following which the customer shall be entitled to change or stop the work, cf. clause 8.1. CLD will be entitled to be paid for the work done so far.
- 2.4 CLD is entitled to the fee of work performed regardless of whether the results expected by the customer are achieved, unless it has been agreed in writing that CLD's fee is depending on the achievement of concrete specified results.
- 2.5 CLD is entitled to let work be carried out fully or partially by a third party.

3. Professional discretion

- 3.1 CLD will observe habitual professional discretion with respect to disclosure of the performance the work and agreements. If the customer requires secrecy as such, for example regarding knowhow of the customer that might come to the knowledge of CLD during the work, a specific agreement in writing shall be made.
- 3.2 If any test or development work leads to results of interest to the general public, CLD may publicly announce such results unless otherwise agreed in a secrecy agreement as mentioned under clause 3.1.
- 3.3 When CLD undertakes work that involves an assessment of a service provided by third party, the customer accepts and understands that CLD may approach such third party and other relevant bodies in order to obtain information for use in the performing the work.
- 3.4 CLD shall at any time be entitled to pass on information which CLD is under statutory obligation to disclose.
- 3.5 If, in the course of performing the work, CLD aware of factors that in the opinion to CLD may cause material damage to health or environment, CLD may, if necessary inform the customer thereof. In the event that the customer does not, as quickly as possible, take the steps necessary to prevent or limit the risk of material damage to health or environment, CLD shall, notwithstanding any separate agreement on discretion of secrecy, be entitled to pass on such knowledge to the relevant authorities.

4. Accreditation

- 4.1 CLD is accredited by DANAK to carry out a number of tests. Accredited test is restricted to specific requirements to e.g. reporting, and these will always be marked with DANAK trademark and registration number.

5. Reference to results, etc.

- 5.1 CLD reports may only be reproduced by the customer in their entirety.
- 5.2 The customer may not mention or refer to CLD or employees of CLD for advertising or marketing purposes unless CLD in advance in every specific case has granted consent in writing, and/or a specific agreement in writing is made cl. specific general terms and conditions for agreement of the use of CLD name and trademark, D05031. Such consent shall lapse if the customer stops or postpones the work, cf. clause 8.1.
- 5.3 Clause 5.2 is also including references on weblogs, web links, URLs, etc. on web pages, the customers homepage or the like. Further is any use of the safety groups A-D (CLD's grouping) not allowed without specific written agreement with CLD on behalf of test results performed by or accepted by CLD.
- 5.4 Educational material issued or handed out may not be copied or duplicated. Educational material on loan from CLD shall remain the property of CLD.
- 5.5 CLD shall be entitled to demand that the customer returns reports, etc. prepared by CLD if CLD discovers any errors or defects in such material.

6. Rights relating to the results of the work

- 6.1 The tangible results produced by CLD in relation to the work and the right to utilize such results shall be the exclusive property of the customer. Results in the form of tangible goods, including prototypes will be handed over to the customer as soon as the final accounts have been settled.
- 6.2 Knowhow and other intangible property rights developed by CLD or ascertained by CLD in connection with the work shall be the property of CLD, unless otherwise agreed in writing. Such rights may be utilized by the customer for his own use to the extent laid down in writing between the parties or specifically stated as an implied condition.

7. Fees and terms of payment

- 7.1 Commissioned work shall be performed according to account rendered based on the at any time valid hourly rates fixed by CLD plus transport charges and other outlays.
- 7.2 In respect to long-term work (more than 6 months) CLD shall be entitled regularly to adjust the hourly rates stated under clause 7.1 with a notice of 30 days prior to the date on which they come into force.
- 7.3 CLD shall be entitled to issue invoices on account once a month for the work performed prior to the invoice date.
- 7.4 If CLD is summoned to testify in a trial as a result of the work done, the customer is obliged to pay the direct costs for CLD and reimburse the time spent to e.g. preparation, transport and time in court. Time spent is to be reimbursed by 50 % of the hourly rate for consulting services.

CLD will invoice the customer on a running basis and the customers' obligation to reimburse is not depending on the outcome of the trial.

- 7.5 If not agreed otherwise or other is stated on the invoice, the payment terms of CLD invoices is invoice date plus 14 days. In case of overdue payment of balances to CLD interest shall be charged at the rate of 1.5 % for each commenced period of one month. Further CLD is entitled to charge a fee of DKK 300,- per reminder of due payments starting as from reminder number two. If the customer has an overdue payment of balances CLD has the right to stop any ongoing/agreed work for the customer. Clause 8.1 is then to be used as if it was the customer who ordered the work stopped.

8. The right to change and cancel orders

- 8.1 In the case the customer issues instruction to stop or postpone the work, cf. clause 2.2, work already performed shall be paid for according to invoice, just as the customer shall reimburse CLD for any costs incurred in relation to the cancelled or postponed work that CLD has already undertaken to pay, such as expenses to a third party, special equipment or premises, etc.
- 8.2 The nature or scope of commissioned work may only be subjected to changes with the written consent of CLD.

9. Liability

- 9.1 CLD shall be liable to wards the customer for any errors and negligence in connection with the performance of the work pursuant to the general rules of compensation of Danish law, subject to such limitation as follow from clauses 9.2 – 9.13. CLD shall in no event be liable for circumstances or events causing a loss that are not attributable to any errors or negligence of the part of CLD.
- 9.2 If the performance of work is stopped or postponed, cf. clause 8, CLD shall not be liable to any defects or errors in work already performed.
- 9.3 CLD shall not be liable for injury or damage arising in relation to the use of consulting provided by CLD or test or control reports prepared by CLD if the use thereof is outside the scope of the commissioned work or the specified purpose.
- 9.4 If the work of CLD is not concluded in a report or the delivery of a service or if the service provided consists of a statement or evaluation – in writing or verbal - in which it is specified that it is based on an estimate or assessment, CLD shall not be held liable unless CLD has shown gross negligence.
- 9.5 CLD shall not be held liable for any delay in completing work for the customer, even not in a case where CLD specifically has confirmed a date of delivery/ completion.
- 9.6 CLD shall not be held liable for culpable and/or negligence of the part of any of CLD's sub-contractors, unless such sub-contractor has been appointed by CLD without being proposed or accepted by the customer.
- 9.7 In case of joint liability between CLD and one or more parties, CLD shall only accept liability for such proportion of the loss suffered by the customer as is accounted for by the share of the overall liability attributable to CLD.
- 9.8 From the moment the recall of a result has come to the knowledge of the customer, CLD shall not be liable for any loss or claim if the customer does not correct the result to third party immediately. The customer is obliged to correct the result to third party immediately.
- 9.9 CLD shall not be liable if the customer suffers a loss as a consequence of a publication of a result from CLD e.g. in a news media, even if CLD was aware that the result would be published. This limitation in liability is also applicable if the customer is a news media itself, since he should otherwise safeguard himself against losses in this relation.
- 9.10 If CLD has undertaken, on behalf of the customer, to verify that services provided by a third party to the customer are according to contract, CLD shall only be held liable for loss or damage that the customer has suffered owing to CLD's failure to point out, in due time, that a specific service is not according to contract. CLD's liability shall be subordinated to the claim for compensation that the customer may make against the third party in question, and CLD's liability shall moreover be subject to the other limitations stated in this clause 9.
- 9.11 If CLD has received samples or equipment from the customer, CLD shall exclusively be held liable for loss of or damage to such samples or equipment if an agreement in writing has been made with the customer to return such samples and equipment. In addition, in such event, CLD shall only be held liable if it can be substantiated that CLD has shown gross negligence, and the compensation can in no event exceed the cost of the material necessary for manufacturing the samples or equipment in question. If the return of samples and equipment has not been agreed upon, CLD will only keep such sample and equipment for a period of up to three (3) months after the completion of the work.
- 9.12 CLD cannot be held liable for more than the direct loss suffered by the customer. Thus, CLD shall not be held liable for losses on operations, loss of earnings or any other indirect losses. CLD's total liability shall in no event exceed DKK 1.000.000,- per event/claim with the exception of liability for injuries according to Danish law.
- 9.13 If any third party holds CLD liable for injury or damage to property caused by work performed by CLD, including, but not limited to, product liability, the customer shall be obliged to indemnify and hold CLD free of any liability and claim exceeding the amount of any claim(s) that can be brought against CLD pursuant to the provisions of this clause 9. The customer is obliged to defend any such claim on behalf of CLD if CLD requests so.
- 9.14 CLD cannot be held liable for claims regarding loss, damage or injury, that have not been made in writing within three (3) years after CLD's delivery of the work of which the claim is made. In addition CLD's liability is contingent upon the customer complaining in writing immediately after he has become aware of, or should have become aware of, the existence of a potential liability of compensation of CLD. Notwithstanding the said time limit of three years CLD shall not be liable for any damage or injury that was not possible to foresee with the know-how and technology available at the time of the performance of the commissioned work.
- 9.15 Any complaint shall be made in writing.

10. Disputes

- 10.1 Any dispute or controversy arising between CLD and the customer as well as third party can only be settled according to Danish law at the venue of CLD, unless CLD decides otherwise.