

GTD liquid dyes

We present in this document a comprehensive summary of our certifications and the tests conducted. Our team remains fully available to provide you with the original certificates, detailed test reports, or any additional information you may need.



COLOUR FASTNESS

▶▶▶▶ **NF EN ISO 105-C06 06-2010**
TO DOMESTIC AND COMMERCIAL LAUNDERING

Change 4/5

▶▶▶▶ **NF EN ISO 105 E04:2013-06** TO PERSPIRATION

Change 4/5

▶▶▶▶ **NF EN ISO 105 X12 09-2016** TO RUBBING

Dry 4/5

Wet 4/5

Certificate number : 120-0853/1 by SMT Laboratory France / On PA12 parts dyed with black 8485GTD

▶▶▶▶ **NF EN ISO 11507 PAINTS AND VARNISHES** TO UV LIGHT @ 500H

Grade 5/5

Certificate number: ERO031736-1 by Element Material Technology Amsterdam / On PA12 parts dyed with black 8485GTD



FOOD CONTACT

Certificate number : 120-0853/1 by SMT Laboratory France / On PA12 parts dyed with blue 8889 GTD

▶▶▶▶ **NF EN 13130**
SPECIFIC MIGRATION OF PRIMARY AROMATIC AMINES IN PLASTIC MATERIAL

No Migration

▶▶▶▶ **NF EN 1186-2&8**
OVERALL MIGRATION INTO OLIVE OIL

- Oil - 10 days @ 60C

No Migration

▶▶▶▶ **NF EN ISO 1186 01-2003**
OVERALL MIGRATION INTO FOOD SIMULANTS

- Ethanol - 10 days 60C - 3 mg/dm²
(Limit <10 mg/dm²)
- Acetic acid 10 days @ 60°C

No Migration

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STANDARD TOYS

▶▶▶▶ NF EN 71-3+A3/06-2018

MIGRATION OF ELEMENTS IN PLASTIC MATERIAL.

- Al, Sb, As, BA, Cd, Cr, CrVI, Co, Cu, Pb, Mn, Cu, Pb, Mn, Hg, Ni, Se, Sr, Sn, Zn

Certificate number: 120-0853/1 by SMT Laboratory France / On PA12 pieces with black 8485GTD

No Migration



CYTOTOXICITY ASSAY

Certificate number: CYT07-LM-20/0220 by LEMI, Cofrac/ On PA1101 parts dyed with black 8485GTD

▶▶▶▶ NF EN ISO 10993-5/2010, NF EN ISO 10993-12/2012 • Cellgrowthinhibition of 8 % (limit> 30%)

BIOLOGICAL EVALUATION OF MEDICAL DEVICES

- PART 5 : TESTS FOR IN VITRO CYTOTOXICITY.

No cytotoxic



RoHS DIRECTIVE

Certificate number: AR-21-SV-011053-01 by EUROFINIS / On PA12 parts dyed with black 8485 GTD

▶▶▶▶ RoHS DIRECTIVE 2011/05/EU AND (EU)2015/863 - (AMENDMENT IN ANNEX II)

This tests have been performed by accredited independant laboratories according iso standard. They do not guarantee the conformity of your finished product, which is depending of your raw plastic material, process and use. The labellisation have to be made to an accretited laboratory.



ISO 9001:2015
ISO 14001:2015
Management System
www.tuv.com
ID 9000027132



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