

Certifications & labels

GTC and GTD liquid dyes

COLOUR FASTNESS

NF EN ISO 105-C06 06-2010
to domestic and commercial laundering

Staining 4/5
Change 4/5

NF EN ISO 105 E04:2013-06
to perspiration

Staining 4/5
Change 4/5

NF EN ISO 105 X12 09-2016
to rubbing

Dry 4/5
Wet 4/5

NF EN ISO 11507
Paints and varnishes –
to UV light
Grey scale 5 @ 500H

*Certificate number: ERO031736-1
by Element Material Technology
Amsterdam / On PA12 parts dyed
with black 8485GTD and black
8211C GTC + anti UV 8630*

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

FOOD CONTACT

NF EN 13130
Specific migration of primary aromatic amines in plastic material.
Not Detected

NF EN 1186-2&8
Overall migration into olive oil
Oil 10 days @ 60°C
No Migration

NF EN ISO 1186 01-2003
Overall migration into food simulants
Ethanol 10 days 60°C
3 mg/dm²
(Limit <10 mg/dm²)
Acetic acid 10 days @ 60°C
No Migration

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

OEKO-TEX class I-IV

Conform to the Oeko-tex standard 100.*

Certificate number :18-00335 by IFTH / On PA12 parts dyed with black 8485GTD, blue 8477GTD and scarlet 8473GTD

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
Traces or not detected

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

CYTOTOXICITY ASSAY

NF EN ISO 10993-5/2010, NF EN ISO 10993-12/2012

Biological evaluation of medical devices - Part 5 : tests for in vitro cytotoxicity.

Non cytotoxic : Cell growth inhibition of 8 %
(limit > 30%)

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

RoHs DIRECTIVE

RoHs DIRECTIVE 2011/05/EU and (EU)2015/863 (amendment in Annex II)

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

Certificate number: AR-21-SV-011480-01 by EUROFINs / On PA12 parts dyed with black 8211C GTC



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.



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