


**CERTEST**

PAGE 1 of 13

RECEIPT 11/08/2017

TESTING DATES FROM 11/08/2017 TO 25/08/2017

**COMMITTENT**  
**BESANI SRL**  
**VIA PER GALLARATE 50/A**  
**21010 BESNATE VA**

## LABORATORY REPORT n° 1720022 of 25/08/2017

**DENOMINATION** Analyses purchased by: RIVA MARIO  
 Article: FLUIDO SPECIALE LAVABILE PER INDUSTRIA  
 TESSILE TEX 32  
 Type of Material: Liquid product  
 Season: /

 Notes: LUBRIFICANTE MACCHINE CIRCOLARI  
 Requirements: Requirements supplied by the client  
 Sampling: done by the client

**Sample 01**

Test	Pass	Fail	Failure result
Perfluorinated Compounds in chemical Inhouse Method: CPSD-AN-00752 v3	X		
Short Chain Chlorinated Paraffin (SCCP). - Inhouse method CPSD-AN-00595 rev 3	X		
APEO and AP in chemical - Inhouse Method CPSD AN 00745 rev2	X		
Phatalated in Chemical Inhouse Method: CPSD-AN-00741 rev 3 2016	X		
Chlorobenzenes and Chlorotoluenes in chemical Inhouse Method: CPSD-AN-00744 ver 2 2016	X		
Chlorophenols in Chemical Inhouse Method: CPSD-AN-00740 rev 2 2016	X		
Organotin in Chemicals Inhouse Method: CPSD-AN-00743 rev 2 2016	--	--	--
Total Heavy metal contents in MRSL Inhouse Method: CPSD-AN-00742 rev 2 2016	X		
Azo dyes in chemical -Inhouse Method CPSD AN 00739 ver 2 2016	X		
Dyestuffs in chemical - Inhouse test Method: CPSD-AN-00757 ver3 2016	X		
Chromium VI in non metals materials - Test Method: CPSD AN 00047 ver18 2017	X		

**Sample 02**

Test	Pass	Fail	Failure result
Solvent extraction and GC-MS analysis	X		
Determination of Volatile Organic Compounds Headspace GC-MS	X		

Pass = Meets Buyer's requirements

Fail = Does not meet Buyer's requirements

-- = Buyer's requirements not defined

The values in brackets represent requirements stated in the document named in the "Requirements" field of the "Denomination" section

Continuing...

 Approved on behalf of BUREAU VERITAS CERTEST srl by:  
 Dr. Verena BARTALINI – Laboratory Manager


LAB N. 1480



Analysis valid for all legal purposes (R.D. 1 march 1928 n.842)


**CERTEST**

PAGE 2 of 13

RECEIPT 11/08/2017

TESTING DATES FROM 11/08/2017 TO 25/08/2017

**COMMITTENT**  
**BESANI SRL**  
**VIA PER GALLARATE 50/A**  
**21010 BESNATE VA**
**LABORATORY REPORT n° 1720022 of 25/08/2017**

TEST METHOD	PARAMETER	RESULT	LIMITS	U.M.	L.O.Q.	NOTES	ASSESS."
	<b>Sample 1720022.01</b>						
<b>APEO and AP in chemical</b> <b>- Inhouse Method</b> <b>CPSD AN 00745 rev2</b> <u>Operating Conditions</u> - Solvent extraction -D determination by LC-MS+GC-MS analysis	<b>4-n- Nonylphenol (4-n-NP) (CAS N. 104-40-5) (*)</b> <b>4-n-Octylphenol (n-OP) (CAS N. 1806-26-4) (*)</b> <b>4-tert-Octylphenol (tert-4-OP) (CAS N. 140-66-9) (*)</b> <b>Nonylphenol (NPs) (CAS N. 84852-15-3) (*)</b> <b>tert-Octylphenol (tert-OP) (CAS N. 27193-28-8) (*)</b> <b>Nonylphenoethoxylates (IGEPAL CO-630), (NPEOs) (CAS N. 68412-54-4) (*)</b> <b>Octylphenoethoxylates (Triton X-100), (OPEOs 2-16) (CAS N. 9002-93-1) (*)</b>	< L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q.	<10 <10 <10 <10 <10 <10 <10	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	10 10 10 10 10 10 10		Pass Pass Pass Pass Pass Pass Pass
<b>Short Chain Chlorinated Paraffin (SCCP).</b> <b>- Inhouse method</b> <b>CPSD-AN-00595 rev 3</b> <u>Operating Conditions</u> - Solvent extraction - detection by GC-ECNI-MS.	<b>Amount of extracted SCCP (C10-C13) (CAS N.85535-84-8) (*)</b>	< L.O.Q.	<30	mg/kg	30		Pass
<b>Total Heavy metal contents in MRSL</b> <b>Inhouse Method:</b> <b>CPSD-AN-00742 rev 2 2016</b>	<b>Heavy Metals</b> Total Cadmium [Cd] Content (*) Total Lead [Pb] Content (*) Total Mercury [Hg] Content (*) Total Chromium [Cr] Content (*)	< L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q.	<0,5 <0,5 <0,5 <3	mg/kg mg/kg mg/kg mg/kg	0,5 0,5 0,5 3		Pass Pass Pass Pass
<b>Phthalated in Chemical</b> <b>Inhouse Method:</b> <b>CPSD-AN-00741 rev 3 2016</b> <u>Operating Conditions</u> - Solvent extraction - Determination by GC-MS analysis	<b>Phthalate</b> Dibutyl Phthalate (DBP) (CAS N. 84-74-2) (*)	< L.O.Q.	<50	mg/kg	50		Pass

Continuing...

 Approved on behalf of BUREAU VERITAS CERTEST srl by:  
 Dr. Verena BARTALINI – Laboratory Manager


LAB N. 1480



Analysis valid for all legal purposes (R.D. 1 march 1928 n.842)


**CERTEST**

PAGE 3 of 13

RECEIPT 11/08/2017

TESTING DATES FROM 11/08/2017 TO 25/08/2017

**COMMITTENT**  
**BESANI SRL**  
**VIA PER GALLARATE 50/A**  
**21010 BESNATE VA**
**LABORATORY REPORT n° 1720022 of 25/08/2017**

TEST METHOD	PARAMETER	RESULT	LIMITS	U.M.	L.O.Q.	NOTES	ASSESS."
	Bis-2-Ethylhexyl Phthalate (DEHP) (CAS N. 117-81-7) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Butyl Benzil Phthalate (BBP) (CAS N. 85-68-7) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Di-iso-nonyl Phthalate (DINP) (CAS N. 68515-48-0) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Di-n-octyl Phthalate (DnOP) (CAS N. 117-84-0) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Di-iso-decil Phthalate (DIDP) (CAS N. 68515-49-1) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Di-isobutyl Phthalate (DIBP) (CAS N. 84-69-5) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Di-n-hexyl Phthalate (DnHP) (CAS N. 84-75-3) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Bis (2-Methoxyethyl) Phthalate (DMEP) (CAS N.117-82-8) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Diundecil Phthalate (DHNUP) (CAS N. 68515-42-4) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Di-isoheptyl Phthalate (DIHP) (CAS N. 71888-89-6) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Dipentyl Phthalate (DPP) (CAS N. 131-18-0) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Di-isopentyl Phthalate (DIPP) (CAS N. 605-50-5) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	N-pentyl-isopentyl phthalate (NPIPP) (CAS 776297-69-9) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Dinonyl phthalate (DNP) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Di-n-propyl phthalate (DPRP) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Di-cyclohexyl phthalate (DCHP) (CAS N.84-61-7) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Di-iso-octyl phthalate (DIOP) (*)	< L.O.Q.	<50	mg/kg	50		Pass
<b>Azo dyes in chemical -Inhouse Method CPSD AN 00739 ver 2 2016</b> <b>Operating Conditions</b> - Quantitative Analysis GC-MS - Confirmation by LC-DAD+LC MS	<b>Aromatic amines derived from azodyes on fabric</b> 4-Aminobiphenyl (CAS N 92-67-1) (*) Benzidine (CAS 92-87-5) (*) 4-Chloro-o-toluidine (CAS N. 95-69-2) (*) 2-Naphthylamine (CAS N. 91-59-8) (*) o-Aminoazotoluene (CAS 97-56-3) (*) 5-nitro-o-toluidine (*) 4-Chloroaniline (CAS N. 106-47-8) (*) 4-methoxy-m-phenylenediamine (CAS 615-05-04) (*) 4,4'-methylenedianiline (CAS 101-77-9) (*) 3,3'-Dichlorobenzidine (CAS N. 91-94-1) (*)	< L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q.	<10 <10 <10 <10 <10 <10 <10 <10 <10 <10	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	10 10 10 10 10 10 10 10 10 10	(1)   (1)      MDA	Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass

Continuing...

 Approved on behalf of BUREAU VERITAS CERTEST srl by:  
 Dr. Verena BARTALINI – Laboratory Manager


LAB N. 1480



Analysis valid for all legal purposes (R.D. 1 march 1928 n.842)


**CERTEST**

PAGE 4 of 13

RECEIPT 11/08/2017

TESTING DATES FROM 11/08/2017 TO 25/08/2017

**COMMITTENT**  
**BESANI SRL**  
**VIA PER GALLARATE 50/A**  
**21010 BESNATE VA**
**LABORATORY REPORT n° 1720022 of 25/08/2017**

TEST METHOD	PARAMETER	RESULT	LIMITS	U.M.	L.O.Q.	NOTES	ASSESS."
	3,3'-Dimethoxybenzidine (CAS N. 119-90-4) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	3,3'-Dimethylbenzidine (CAS N. 119-93-7) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	4,4'-methylene-di-o-toluidine (CAS N. 838-88-0) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	p-cresidine (*)	< L.O.Q.	<10	mg/kg	10		Pass
	4-4'-Methylene-bis-(2-chloroaniline) (CAS N. 101-14-4) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	4-4'-Oxydianiline (CAS N 101-80-4) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	4-4'-Thiodianiline (CAS N. 139-65-1) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	o-Toluidine (*)	< L.O.Q.	<10	mg/kg	10		Pass
	4-methyl-m-phenylenediamine (CAS 95-80-7) (*)	< L.O.Q.	<10	mg/kg	10	TDA	Pass
	2,4,5-Trimethylaniline (CAS N. 137-17-7) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	o-anisidine (CAS 90-04-0) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	4-Aminoazobenzene (CAS N. 60-09-3) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	2,4- Xylidine (CAS 95-68-1) (*)	< L.O.Q.	<10	mg/kg	10		Pass
	2,6-Xylidine (CAS N. 87-62-7) (*)	< L.O.Q.	<10	mg/kg	10		Pass
<b>Chlorophenols in Chemical Inhouse Method: CPSD-AN-00740 rev 2 2016 Operating Conditions - Determination by GC-MS</b>							
	<b>Pentachlorophenol (PCP) (CAS N. 87-86-5) (*)</b>	< L.O.Q.	<0,025	mg/kg	0,025		Pass
	<b>2,4,6-Trichlorophenol (*)</b>	< L.O.Q.	<0,025	mg/kg	0,025		Pass
	<b>3,4,5-TriChlorophenol (3,4,5-TCP) &amp; 2,3,4-TriChlorophenol (2,3,4-TCP) (*)</b>	< L.O.Q.	<0,025	mg/kg	0,025		Pass
	<b>2,3,5-TriChlorophenol (2,3,5-TCP) (CAS N. 933-78-8) (*)</b>	< L.O.Q.	<0,025	mg/kg	0,025		Pass
	<b>2,3,6-TriChlorophenol (2,3,6-TCP) (CAS N. 933-75-5) &amp; 2,4,5-TriChlorophenol (2,4,5-TCP) (CAS N95-95-4) (*)</b>	< L.O.Q.	<0,025	mg/kg	0,025		Pass
	<b>2,3,5,6-TetraChlorophenol (2,3,5,6-TeCP) (CAS N. 935-95-5) (*)</b>	< L.O.Q.	<0,025	mg/kg	0,025		Pass
	<b>2,3,4,6-TetraChlorophenol (2,3,4,6-TeCP) (CAS N. 58-90-2) (*)</b>	< L.O.Q.	<0,025	mg/kg	0,025		Pass
	<b>2,3,4,5-Tetrachlorophenol (*)</b>	< L.O.Q.	<0,025	mg/kg	0,025		Pass
	<b>2,4- Dichlorophenol (CAS N. 120-83-2) (*)</b>	< L.O.Q.	<0,025	mg/kg	0,025		Pass
	<b>2,5 Dichlorophenol (CAS N.583-78-8) (*)</b>	< L.O.Q.	<0,025	mg/kg	0,025		Pass
	<b>3,5- Dichlorophenol (CAS N.591-35-5) (*)</b>	< L.O.Q.	<0,025	mg/kg	0,025		Pass
	<b>2,3- Dichlorophenol (CAS N.576-24-9) (*)</b>	< L.O.Q.	<0,025	mg/kg	0,025		Pass
	<b>3,4- Dichlorophenol (CAS N.95-77-2) (*)</b>	< L.O.Q.	<0,025	mg/kg	0,025		Pass
	<b>Monochlorophenol (*)</b>	< L.O.Q.	<0,025	mg/kg	0,025		Pass

Continuing...

 Approved on behalf of BUREAU VERITAS CERTEST srl by:  
 Dr. Verena BARTALINI – Laboratory Manager


LAB N. 1480



Analysis valid for all legal purposes (R.D. 1 march 1928 n.842)



CERTEST

PAGE 5 of 13

RECEIPT 11/08/2017

TESTING DATES FROM 11/08/2017 TO 25/08/2017

 COMMITMENT  
**BESANI SRL**  
**VIA PER GALLARATE 50/A**  
**21010 BESNATE VA**
**LABORATORY REPORT n° 1720022 of 25/08/2017**

TEST METHOD	PARAMETER	RESULT	LIMITS	U.M.	L.O.Q.	NOTES	ASSESS."
<b>Perfluorinated Compounds in chemical</b> <b>Inhouse Method:</b> <b>CPSD-AN-00752 v3</b> <u>Operating Conditions</u> -Solvent extraction and determination by LC-MSMS+GC-MSMS	<b>Perfluorinated Chemicals (PFCs)</b>						
	Perfluoro-n-octanoic acid (PFOA) (CAS N. 335-67-1) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Perfluoro-n-nonanoic acid (PFNA) (CAS N. 375-95-1) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Perfluorobutanesulfonic acid (PFBS) (CAS N.59933-66-3) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Perfluorohexanesulfonic acid (PFHxS) (CAS N.355-46-4) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Perfluoro-n-hexanoic acid (PFHxA) (CAS N. 307-24-4) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Perfluorobutyric acid (PFBA) (CAS N.375-22-4) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Perfluoro-n-heptanoic acid (PFHpA) (CAS N.375-85-9) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Perfluoro-n-decanoic acid (PFDA) (CAS N.335-76-2) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Perfluoroundecanoic acid (PFUnA) (CAS N.2058-94-8) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Perfluorododecanoic acid (PFDoA) (CAS N.307-55-1) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Perfluorotridecanoic acid (PFTnA) (CAS N.72629-94-8) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Perfluorotetradecanoic acid (PFTeA) (CAS N.376-06-7) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Perfluoro-1- heptanesulfonic acid (PFHpS) (CAS N.375-92-8) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Perfluorodecanesulfonic acid (PFDS) (CAS N.335-77-3) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA) (CAS N.172155-07-6) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	7H-dodecafluoroheptanoic acid (HPFHpA) (CAS N.1546-95-8) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	2H,2H,3H,3H-perfluoroundecanoic acid (H4PFUnA) (CAS N.34598-33-9) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	1H,1H,2H,2H-Perfluorooctanesulphonic acid (1H,1H,2H,2H-PFOS) (CAS N 27619-97-2) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE) (CAS N.1691-99-2) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	1H,1H,2H,2H-perfluorooctylacrylate (6:2 FTA) (CAS N. 17527-29-6) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	1H,1H,2H,2H-perfluorodecylacrylate (8:2 FTA) (CAS N.27905-45-9) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass

Continuing...

 Approved on behalf of BUREAU VERITAS CERTEST srl by:  
 Dr. Verena BARTALINI – Laboratory Manager


LAB N. 1480



Analysis valid for all legal purposes (R.D. 1 march 1928 n.842)


**CERTEST**

PAGE 6 of 13

RECEIPT 11/08/2017

TESTING DATES FROM 11/08/2017 TO 25/08/2017

**COMMITTENT**  
**BESANI SRL**  
**VIA PER GALLARATE 50/A**  
**21010 BESNATE VA**
**LABORATORY REPORT n° 1720022 of 25/08/2017**

TEST METHOD	PARAMETER	RESULT	LIMITS	U.M.	L.O.Q.	NOTES	ASSESS."
	1H,1H,2H,2H-perfluorododecylacrylate (10:2 FTA) (CAS N.17741-60-5) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Perfluorooctane sulfonamide (PFOSA) (CAS N. 754-91-6) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	N-methylperfluoro-1-octanesulfonamide (N-MeFOSA) (CAS N.31506-32-8) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	N-ethylperfluoro-1-octanesulfonamide (N- EtFOSA) (CAS N. 4151-50-2) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE) (CAS N. 24448-09-7) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	2- Perfluorobutylethanol (4:2 FTOH) (CAS N.2043-47-2) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	2- Perfluorohexylethanol (6:2 FTOH) (CAS N.647-42-7) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	2-Perfluorooctylethanol (8:2 FTOH) (CAS N.678-39-7) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	2-Perfluorodecylethanol (10:2 FTOH) (CAS N865-86-1) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Perfluorooctanesulfonic acid (PFOS) (CAS N.1763-23-1) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
	Perfluoro-1-octanesulfonyl fluoride (POSF) (CAS N. 307-35-7) (*)	< L.O.Q.	<0,1	mg/kg	0,1		Pass
<b>Chlorobenzenes and Chlorotoluenes in chemical</b> <b>Inhouse Method:</b> <b>CPSD-AN-00744 ver 2 2016</b> <u>Operating Conditions</u> - Solvent extraction - Determination by GC-MS analysis							
	1,2-Dichlorobenzene (CAS N.95-50-1) (*)	< L.O.Q.	<0,5	mg/kg	0,5		Pass
	1,3-Dichlorobenzene (CAS N.541-73-1) (*)	< L.O.Q.	<0,5	mg/kg	0,5		Pass
	1,4-Dichlorobenzene (CAS N.106-46-7) (*)	< L.O.Q.	<0,5	mg/kg	0,5		Pass
	1,2,3-Trichlorobenzene (CAS N.87-61-6) (*)	< L.O.Q.	<0,5	mg/kg	0,5		Pass
	1,2,4 Trichlorobenzene (CAS N.120-82-1) (*)	< L.O.Q.	<0,5	mg/kg	0,5		Pass
	1,3,5-Trichlorobenzene (CAS N.108-70-3) (*)	< L.O.Q.	<0,5	mg/kg	0,5		Pass
	1,2,3,4-Tetrachlorobenzene (CAS N.634-66-2) (*)	< L.O.Q.	<0,5	mg/kg	0,5		Pass
	1,2,3,5-Tetrachlorobenzene (CAS N.634-90-2), 1,2,4,5-Tetrachlorobenzene (CAS N.95-94-3) (*)	< L.O.Q.	<0,5	mg/kg	0,5		Pass
	Pentachlorobenzene (CAS N.608-93-5) (*)	< L.O.Q.	<0,5	mg/kg	0,5		Pass
	Hexachlorobenzene (CAS N.118-74-1) (*)	< L.O.Q.	<0,5	mg/kg	0,5		Pass
	Chlorobenzene (CAS N.108-90-7) (*)	< L.O.Q.	<0,5	mg/kg	0,5		Pass
	a,a-Dichlorotoluene (CAS N.98-87-3) (*)	< L.O.Q.	<0,5	mg/kg	0,5		Pass

Continuing...

 Approved on behalf of BUREAU VERITAS CERTEST srl by:  
 Dr. Verena BARTALINI – Laboratory Manager


LAB N. 1480



Analysis valid for all legal purposes (R.D. 1 march 1928 n.842)


**CERTEST**

PAGE 7 of 13

RECEIPT 11/08/2017

TESTING DATES FROM 11/08/2017 TO 25/08/2017

**COMMITTENT**  
**BESANI SRL**  
**VIA PER GALLARATE 50/A**  
**21010 BESNATE VA**
**LABORATORY REPORT n° 1720022 of 25/08/2017**

TEST METHOD	PARAMETER	RESULT	LIMITS	U.M.	L.O.Q.	NOTES	ASSESS."
	<b>alpha, alpha, alpha 4-tetrachlorotoluene (CAS N.5216-25-1) (*)</b>	< L.O.Q.	<0,5	mg/kg	0,5		Pass
	<b>Benzotrichloride (CAS N.98-07-7) (*)</b>	< L.O.Q.	<0,5	mg/kg	0,5		Pass
	<b>Benzyl chloride (*)</b>	< L.O.Q.	<0,5	mg/kg	0,5		Pass
<b>Dyestuffs in chemical</b> <b>- Inhouse test Method:</b> <b>CPSD-AN-00757 ver3 2016</b> <b>Operating Conditions</b> <b>- Determination by LC-MS analysis</b>	<b>Allergogenous Dyes</b>						
	Acid Red 114 (CAS N. 3761-53-3) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Acid Red 26 (CAS N. 3761-53-3) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Basic Blue 26 (CAS N. 2580-56-5) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Basic Green 4 (CAS N. 569-64-2) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Basic Red 9 (CAS N. 569-61-9) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Basic Violet 14 (CAS N. 632-99-5) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Direct Black 38 (CAS N. 1937-37-7) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Direct Blue 6 (CAS N. 2602-46-2) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Direct Brown 95 (CAS N.16071-86-6) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Direct Red 28 (CAS N. 573-58-0) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Blue 1 (CAS N. 2475-45-8) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Blue 102 (CAS N. 12222-97-8) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Blue 106 (CAS N. 12223-01-7)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Blue 124 (CAS N. 61951-51-7)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Blue 26 (CAS N. 3860-63-7) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Blue 3 (CAS N. 2475-46-9) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Blue 7 (CAS N. 3179-90-6) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Brown 1 (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Orange 1 (CAS N. 2581-69-3) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Orange 3 (CAS N. 730-40-5)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Orange 11 (CAS N. 82-28-0)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Orange 149 (CAS N. 151126-94-2) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Orange 37/59/76 (CAS N. 13301-61-6) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Red 1 (CAS N. 2872-52-8)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Red 11 (CAS N. 2872-48-2) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Red 17 (CAS N. 3179-89-3) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Yellow 1 (CAS N. 119-15-3) (*)	< L.O.Q.	<50	mg/kg	50		Pass

Continuing...

 Approved on behalf of BUREAU VERITAS CERTEST srl by:  
 Dr. Verena BARTALINI – Laboratory Manager


LAB N. 1480



Analysis valid for all legal purposes (R.D. 1 march 1928 n.842)



CERTEST

PAGE 8 of 13

RECEIPT 11/08/2017

TESTING DATES FROM 11/08/2017 TO 25/08/2017

COMMITTENT  
**BESANI SRL**  
**VIA PER GALLARATE 50/A**  
**21010 BESNATE VA**

## LABORATORY REPORT n° 1720022 of 25/08/2017

TEST METHOD	PARAMETER	RESULT	LIMITS	U.M.	L.O.Q.	NOTES	ASSESS."
	Disperse Yellow 3 (CAS N. 2832-40-8)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Yellow 9 (CAS N. 6373-73-5) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Yellow 23 (CAS N. 6250-23-3) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Yellow 39 (CAS N. 12236-29-2) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Yellow 49 (CAS N. 54824-37-2) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Solvent Yellow 2 (CAS N. 60-11-7) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Acid Violet 49 (CAS N. 1624-09-3) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Basic Violet 1 (CAS N. 8004-87-3) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Direct Blue 15 (CAS N. 2429-74-5) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Direct Blue 218 (CAS N.28407-37-6) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Disperse Blue 35 (CAS N. 12222-75-2)	< L.O.Q.	<50	mg/kg	50		Pass
	Solvent Yellow 1 (CAS N. 60-09-3) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Solvent Yellow 14 (CAS N. 842-07-9) (*)	< L.O.Q.	<50	mg/kg	50		Pass
	Solvent Yellow 3 (CAS N. 97-56-3) (*)	< L.O.Q.	<50	mg/kg	50		Pass
<b>Chromium VI in non metals materials</b> - Test Method: <b>CPSD AN 00047 ver18 2017</b> <u>Operating Conditions</u> - Alkaline leaching extraction - Determination by UV-VIS spectrophotometer	<b>Total Hexavalent Chromium (Cr-VI) (*)</b>	< L.O.Q.	<3	mg/kg	3		Pass
<b>Organotin in Chemicals</b> <b>Inhouse Method:</b> <b>CPSD-AN-00743 rev 2 2016</b> <u>Operating Conditions</u> - Determination by GC-MS	<b>Organotin compounds</b> Dibutyl tin (DBT) (*) Dimethyltin (DMT) (*) Dioctyl tin (DOT) (*) Diphenyltin (DPT) (*) Methyl tin (MeT) (*) Monobutyl tin (MBT) (*) Monooctyl tin (MOT) (*) Phenyltin tin (TPhT) (*) Tetrabutyl tin (TeBT) (*) Tributyl tin (TBT) (*) Tricyclohexyltin (TCyHT) (*) Trimethyl tin (TMT) (*) Trimethyltin (TMT) (*)	< L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q.		mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0,025 0,025 0,025 0,025 0,025 0,025 0,025 0,025 0,025 0,025 0,025 0,025 0,025 0,025		

Continuing...

Approved on behalf of BUREAU VERITAS CERTEST srl by:  
 Dr. Verena BARTALINI – Laboratory Manager



LAB N. 1480



Analysis valid for all legal purposes (R.D. 1 march 1928 n.842)




**CERTEST**

PAGE 9 of 13

RECEIPT 11/08/2017

TESTING DATES FROM 11/08/2017 TO 25/08/2017

**COMMITMENT**  
**BESANI SRL**  
**VIA PER GALLARATE 50/A**  
**21010 BESNATE VA**
**LABORATORY REPORT n° 1720022 of 25/08/2017**

TEST METHOD	PARAMETER	RESULT	LIMITS	U.M.	L.O.Q.	NOTES	ASSESS."
	Trioctyltin (TOT) (*)	< L.O.Q.		mg/kg	0,025		
	Triphenyl tin (TPhT) (*)	< L.O.Q.		mg/kg	0,025		
	Tripropyltin (TPT) (*)	< L.O.Q.		mg/kg	0,025		

Continuing...

 Approved on behalf of BUREAU VERITAS CERTEST srl by:  
 Dr. Verena BARTALINI – Laboratory Manager


LAB N. 1480



Analysis valid for all legal purposes (R.D. 1 march 1928 n.842)


**CERTEST**

PAGE 10 of 13

RECEIPT 11/08/2017

TESTING DATES FROM 11/08/2017 TO 25/08/2017

 COMMITMENT  
**BESANI SRL**  
**VIA PER GALLARATE 50/A**  
**21010 BESNATE VA**
**LABORATORY REPORT n° 1720022 of 25/08/2017**

TEST METHOD	PARAMETER	RESULT	LIMITS	U.M.	L.O.Q.	NOTES	ASSESS."
	<b>Sample 1720022.02</b>						
<b>Solvent extraction and GC-MS analysis</b>	<b>Flame retardants</b>						
	Polybrominatedbiphenyls (PBB) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Monobromo biphenyls (MonoBB) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Dibromo biphenyls (DiBB) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Tribromo biphenyls (TriBB) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Tetrabromo biphenyls (TetraBB) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Pentabromo biphenyls (PentaBB) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Hexabromo biphenyls (HexaBB) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Heptabromo biphenyls (HeptaBB) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Octabromo biphenyls (OctaBB) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Nonabromo biphenyls (NonaBB) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Decabromo biphenyl (DecaBB) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Polybrominated diphenyl ethers (PBDEs) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Monobromo diphenyl ethers (MonoBDE) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Dibromo diphenyl ethers (DiBDE) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Tribromo diphenyl ethers (TriBDE) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Tetra-bromodiphenyl ether (TetraBDE) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Penta-bromodiphenyl ether (PentaBDE) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Hexabromo diphenyl ethers (HexaBDE) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Heptabromo diphenyl ethers (HeptaBDE) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Octa-bromodiphenyl ether (OctaBDE) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Nonabromo diphenyl ethers (NonaBDE) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Decabromodiphenyl ether (DecaBDE) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Tris (2,3-dibromopropyl)-phosphate (TRIS) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Tris(2-chloroethyl)phosphate (TCEP) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Tetrabromo-bisphenol A (TBBPA) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass

Continuing...

 Approved on behalf of BUREAU VERITAS CERTEST srl by:  
 Dr. Verena BARTALINI – Laboratory Manager


LAB N. 1480



Analysis valid for all legal purposes (R.D. 1 march 1928 n.842)



**CERTEST**

PAGE 11 of 13

RECEIPT 11/08/2017

TESTING DATES FROM 11/08/2017 TO 25/08/2017

COMMITTENT  
**BESANI SRL**  
**VIA PER GALLARATE 50/A**  
**21010 BESNATE VA**

## LABORATORY REPORT n° 1720022 of 25/08/2017

TEST METHOD	PARAMETER	RESULT	LIMITS	U.M.	L.O.Q.	NOTES	ASSESS."
	Tris (1-aziridinyl)-phosphine oxide (TEPA) (CAS N. 545-55-1) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Tris(2,3-Dibromopropyl)-Phosphate (TRIS) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Antimony trioxide (*)	< L.O.Q.	below detection limits	mg/kg	1	BVG	Pass
	Boric acid (*)	< L.O.Q.	below detection limits	mg/kg	50	BVG	Pass
	Boron trioxide (*)	< L.O.Q.	below detection limits	mg/kg	2	BVG	Pass
	Sodium tetraborate (*)	< L.O.Q.	below detection limits	mg/kg	2	BVG	Pass
	Tri-o-cresyl phosphate (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Tris(1,3-dichloro-2-propyl)phosphate (TDCPP) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
	Exabromocyclodecane (HBCDD) (*)	< L.O.Q.	below detection limits	mg/kg	10	BVG	Pass
<b>Determination of Volatile Organic Compounds Headspace GC-MS</b> <b>Operating Conditions</b> - Headspace GC-MS - 45 min at 90°C	<b>Chlorinated Solvents</b> Dichloromethane (CAS N.75-09-2) (*) Chloroform (CAS N. 67-66-3) (*) Tetrachloromethane (CAS N. 56-23-5) (*) 1,1,2-Trichloroethane (CAS N. 56-23-5) (*) 1,1-Dichloroethane (CAS N. 75-34-3) (*) 1,2-Dichloroethane (CAS N. 107-06-2) (*) Trichloroethylene (CAS N. 79-01-6) (*) Perchloroethylene (CAS N.127-18-4) (*) 1,1,1-Trichloroethane (CAS N.71-55-6) (*) 1,1,1,2-Tetrachloroethane (CAS N. 630-20-6) (*) 1,1,2,2-Tetrachloroethane (CAS N. 79-34-5) (*) Pentachloroethane (CAS N.76-01-7) (*) 1,1-Dichloroethylene (CAS N. 75-35-4) (*) 1,2,3-Trichloropropane (CAS N96-18-4) (*)	< L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q. < L.O.Q.	<5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5 <5	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BVG BVG BVG BVG BVG BVG BVG BVG BVG BVG BVG BVG BVG BVG BVG BVG	Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass Pass

Continuing...

Approved on behalf of BUREAU VERITAS CERTEST srl by:  
 Dr. Verena BARTALINI – Laboratory Manager



LAB N. 1480



Analysis valid for all legal purposes (R.D. 1 march 1928 n.842)


**CERTEST**

PAGE 12 of 13

RECEIPT 11/08/2017

TESTING DATES FROM 11/08/2017 TO 25/08/2017

 COMMITMENT  
**BESANI SRL**  
**VIA PER GALLARATE 50/A**  
**21010 BESNATE VA**

## LABORATORY REPORT n° 1720022 of 25/08/2017

### Notes

< L.O.Q.: Not detectable analytically

(1) = If the use of this analytical method has detected 4-aminodiphenyl and/or 2-naphthylamine, according to the current state of knowledge it cannot be unequivocally confirmed without additional information that azo colorants which release amines were used.

MDA =

In case of polyurethane materials are used, e.g. PU foams and coatings and in prints, it cannot be ruled out that certain amines, e.g. 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) are released from the PU component and not from a banned azo colorant.

In case of pigment prints care has to be taken that 4,4'-methylene-dianiline is not released from a source of banned azo colorants but from e.g. a chemical fixing agent.

TDA = In case of polyurethane materials are used, e.g. PU foams and coatings and in prints, it cannot be ruled out that certain amines, e.g. 2,4-toluen-diamine (TDA, CAS 95-80-7) are released from the PU component and not from a banned azo colorant.

BVG = Test executed at Bureau Veritas Germany - Wilhelm-Hennemann-Str. 8, 19061 Schwerin, Germany

BV-Sch: Test executed at Bureau Veritas Germany - Wilhelm-Hennemann-Str. 8, 19061 Schwerin, Germany

In case of non-indication from the client of the category of the material to be tested, the laboratory will identify it and will test it according to the specifics of the defined category.

" The assessment is obtained by the comparison between the Result of the analysis ("Result" column) and the required Limit ("Limit" column).

Limits: Values indicated in the Limits column refer to the requirements stated in the document named in the "Requirements" field of the "Denomination" section

U.M.: Units of Measurement

L.O.Q.: Limit of Quantification

Assess.: Assessment

Pass: the test result is conform to the standard required

Fail: the test result is not conform to the standard required

N/A: it is not possible to carry out the test, or the test result can not be defined as "Pass" or "Fail"

The evaluations of change in color are carried out in accordance with ISO 105-A02 (or GB/T 250 for Chinese market methods), the evaluations of color staining are carried out in accordance with ISO 105-A03 (or GB/T 251 for Chinese market methods).

BWS: Blue Wool Scale

GSR: Grey Scale Rating

The tests marked by an asterisk (\*) are not part of the ACCREDIA accreditation.

Opinions and interpretations are not part of the ACCREDIA accreditation.

This report has been issued by Certest s.r.l. quality system and well documented by our own quality manual and related procedures. Results reported have been achieved applying rules and/or technical procedures specified in the following pages and they refer only to the sample submitted to tests in our laboratory and not the whole lot they represent. Reproduction of this document is allowed only with an exact copy of the original. Partial reproduction of this documents allowed subject to Certest s.r.l. approval and is registered with the referring report number. Only the original report is valid and partial re production of this document is allowed subject to Certest s.r.l. approval and is registered with the referring report number. The use of this report in a judicial process must be expressly authorized by Certest srl. The records related to the analyzes carried out are retained for a period of 48 months. Samples tested are stored for one year if not otherwise required.

The expanded uncertainty (U) is calculated with a coverage factor k=2 for a confidence level of 95% and a number of degrees of freedom greater than or equal to 10.

Whenever the supplied sample amount is not enough to perform all the trials required by the Method, the laboratory will perform the higher number of tests with the provided material.

Copy of digitally signed file

Approved on behalf of BUREAU VERITAS CERTEST srl by:  
 Dr. Verena BARTALINI – Laboratory Manager



LAB N. 1480



Analysis valid for all legal purposes (R.D. 1 march 1928 n.842)



**CERTEST**

PAGE 13 of 13

RECEIPT 11/08/2017

TESTING DATES FROM 11/08/2017 TO 25/08/2017

COMMITTENT  
**BESANI SRL**  
**VIA PER GALLARATE 50/A**  
**21010 BESNATE VA**

**LABORATORY REPORT n° 1720022 of 25/08/2017**



Approved on behalf of BUREAU VERITAS CERTEST srl by:  
 Dr. Verena BARTALINI – Laboratory Manager



LAB N. 1480



Analysis valid for all legal purposes (R.D. 1 march 1928 n.842)