

BRANYL COMERCIO E INDUSTRIA TEXTIL LTDA
RUA FLAVIO GIACOMINI
S/N
CAPIVARI, SP 13360000
BRAZIL

A(s) seguinte(s) amostra(s) foi/foram apresentada(s) e identificada(s) pelo cliente ou em seu nome como:

AC1889/1 REC BAC (OFF WHITE) // AC1889/1 REC BAC (SAHARA) // AC1889/1 REC BAC (PURE);
AC1889/1 REC BAC (OFF WHITE); AC1889/1 REC BAC (SAHARA); AC1889/1 REC BAC (PURE)

SGS Ordem No. : 40021667
Total de Amostras Recebidas : 03 AMOSTRAS
Número do Lote : 530713529979530713
País de Origem : Brasil
Fornecedor : Branyl Com. Ind. Têxtil LTDA
Fabricante : Ramarim
Projeto : Veja

As informações acima foram fornecidas pelo cliente ou em seu nome.

Número da Proposta : C&P PR21-306565 rev00
Data de Recebimento da Amostra: 19 Nov 2021
Período de análise : 23 Nov 2021 - 22 Dez 2021
Teste Solicitado : Teste(s) selecionado(s) conforme solicitado pelo cliente.
Descrição das Amostras: Consulte a(s) página(s) seguinte(s).
Método de ensaio : Consulte a(s) página(s) seguinte(s).
Resultados dos Ensaios : Consulte a(s) página(s) seguinte(s).
Responsabilidade Técnica : Alessandra Shimizu - Gerente de Laboratório CRQ 04245592

Foto da Amostra :



Foto autenticada pela SGS somente no relatório original

Assina em nome da
SGS do Brasil Ltda.



Alessandra Shimizu
Gerente de Laboratório CRQ 04245592

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Resultados dos Ensaios :

Descrição das Amostras :

Item No.	SGS ID Amostra	Descrição
1	BR2105149.001	AC1889/1 REC BAC (OFF WHITE) // AC1889/1 REC BAC (SAHARA) // AC1889/1 REC BAC (PURE)
2	BR2105149.002	AC1889/1 REC BAC (OFF WHITE)
3	BR2105149.003	AC1889/1 REC BAC (SAHARA)
4	BR2105149.004	AC1889/1 REC BAC (PURE)

Valor de pH

Método de ensaio : BS ISO 3071:2020.

Item(s) de Teste	Limite	RL	Unid.	Resultado 002	Incerteza
pH Valor do extrato aquoso	4,00 - 7,50	-	-	5,18	NA

Item(s) de Teste	Limite	RL	Unid.	Resultado 003	Incerteza
pH Valor do extrato aquoso	4,00 - 7,50	-	-	4,73	NA

Item(s) de Teste	Limite	RL	Unid.	Resultado 004	Incerteza
pH Valor do extrato aquoso	4,00 - 7,50	-	-	4,97	NA

Corantes AZO

Método de ensaio : EN ISO 14362-1:2017 & EN ISO 14362-3: 2017.

Item(s) de Teste	CAS-NO.	Limite	RL	Unid.	Resultado 001	Incerteza
4-aminobifenil	92-67-1	Max. 20,0	5,0	mg/kg	ND	NA
Benzidina	92-87-5	Max. 20,0	5,0	mg/kg	ND	NA
4-cloro-o-toluidina	95-69-2	Max. 20,0	5,0	mg/kg	ND	NA
2-naftilamina	91-59-8	Max. 20,0	5,0	mg/kg	ND	NA
o-aminoazotolueno	97-56-3	Max. 20,0	5,0	mg/kg	ND	NA
2-amino-4-nitrotolueno	99-55-8	Max. 20,0	5,0	mg/kg	ND	NA
4-cloroanilina	106-47-8	Max. 20,0	5,0	mg/kg	ND	NA
2,4-diamino-anisola	615-05-4	Max. 20,0	5,0	mg/kg	ND	NA
4,4-diamino-difenilmetano	101-77-9	Max. 20,0	5,0	mg/kg	ND	NA
3,3-diclorobenzidina	91-94-1	Max. 20,0	5,0	mg/kg	ND	NA
3,3-dimetoxibenzidina	119-90-4	Max. 20,0	5,0	mg/kg	ND	NA
3,3-dimetilbenzidina	119-93-7	Max. 20,0	5,0	mg/kg	ND	NA
3,3-dimetil-4,4-diamino-difenilmetano	838-88-0	Max. 20,0	5,0	mg/kg	ND	NA

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					001	Incerteza
p-cresidina	120-71-8	Max. 20,0	5,0	mg/kg	ND	NA
4,4-metilene-bis-(2-cloroanilina)	101-14-4	Max. 20,0	5,0	mg/kg	ND	NA
4,4-oxidianilina	101-80-4	Max. 20,0	5,0	mg/kg	ND	NA
4,4-tiodianilina	139-65-1	Max. 20,0	5,0	mg/kg	ND	NA
o-toluidina	95-53-4	Max. 20,0	5,0	mg/kg	ND	NA
2,4-toluenediamina	95-80-7	Max. 20,0	5,0	mg/kg	ND	NA
2,4,5 - trimetilnilina	137-17-7	Max. 20,0	5,0	mg/kg	ND	NA
4-aminoazobenzeno	60-09-3	Max. 20,0	5,0	mg/kg	ND	NA
o-anisidina	90-04-0	Max. 20,0	5,0	mg/kg	ND	NA
2,4-xilidina	95-68-1	Max. 20,0	5,0	mg/kg	ND	NA
2,6-xilidina	87-62-7	Max. 20,0	5,0	mg/kg	ND	NA
Cloreto de 4-cloro-o-toluidunio	3165-93-3	Max. 20,0	5,0	mg/kg	ND	NA
2-Naftilamonoacetato	553-00-4	Max. 20,0	5,0	mg/kg	ND	NA
Sulfato de diamônio 4-metoxi-m-fenileno	39156-41-7	Max. 20,0	5,0	mg/kg	ND	NA
Cloridrato de 2,4,5-trimetilamina	21436-97-5	Max. 20,0	5,0	mg/kg	ND	NA

Nota: Resultados acima de 1/2 ou 1/3 do requisito do teste indicam uma possibilidade de reprovação em um ou mais componentes. Recomenda-se testar novamente os componentes de forma individual para determinar a conformidade de cada componente com o requisito.
As substâncias 4-Aminodifenil CAS 92-67-1, 2-Naftilamina CAS 91-59-8 e 4-metoxi-m-fenileno-diamina CAS 615-05-4 podem ser geradas indiretamente de corantes não azoicos. 4,4'-metileno-dianilina CAS 101-77-9 e 2,4-toluenodiamina CAS 95-80-7 podem ser originados a partir do poliuretano ou agentes químicos de fixação. Nestes casos, a presença dos corantes restritos pode não ser determinada com segurança sem informações adicionais.
O método descrito na norma ISO 14362-1: 2017 resulta na quebra do 4-aminoazobenzeno e subsequente formação de aminas não proibidas: anilina e 1,4-fenilenodiamina. Se anilina e 1,4-fenilenodiamina não forem detectados por este método, o resultado de 4-aminoazobenzeno CAS 60-09-3 será considerado como 'não detectado'. Caso contrário, deve-se empregar a norma ISO 14362-3: 2017 para verificar a presença de 4-aminoazobenzeno.

Corantes Dispersos

Método de ensaio : Referenciado na DIN 54231:2005, análise realizada por LC-DAD-MS.

Item(s) de Teste	CAS-NO.	Limite	RL	Unid.	Resultado	
					001	Incerteza
Navy Blue	118685-33-9	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Azul 1	2475-45-8	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Azul 3	2475-46-9	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Azul 7	3179-90-6	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Azul 26	3860-63-7	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Azul 106	12223-01-7	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Azul 124	61951-51-7	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Marron 1	23355-64-8	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Laranja 1	2581-69-3	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Laranja 3	730-40-5	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Laranja 11	82-28-0	Max. 50,0	15,0	mg/kg	ND	NA

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					<u>001</u>	<u>Incerteza</u>
C. I. Disperso Laranja 37/59/76	51811-42-8	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Laranja 37/59/76	12223-33-5	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Laranja 37/59/76	13301-61-6	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Laranja 149	85136-74-9	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Vermelho 1	2872-52-8	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Vermelho 11	2872-48-2	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Vermelho 17	3179-89-3	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Vermelho 151	61968-47-6	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Amarelo 1	119-15-3	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Amarelo 3	2832-40-8	Max. 50,0	15,0	mg/kg	ND	NA
C.I Disperso Amarelo 7	6300-37-4	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Amarelo 9	6373-73-5	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Amarelo 23	6250-23-3	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Amarelo 39	12236-29-2	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Amarelo 49	54824-37-2	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Amarelo 56	54077-16-6	Max. 50,0	15,0	mg/kg	ND	NA
Acid Red 26	3761-53-3	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Vermelho Básico 9	569-61-9	Max. 50,0	15,0	mg/kg	ND	NA
C.I. Verde Básico 4	10309-95-2	Max. 50,0	15,0	mg/kg	ND	NA
C.I. Verde Básico 4	2437-29-8	Max. 50,0	15,0	mg/kg	ND	NA
C.I. Verde Básico 4	569-64-2	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Violeta Básico 3	548-62-9	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Violeta Básico 14	632-99-5	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Azul Básico 26	2580-56-5	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Direto Preto 38	1937-37-7	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Direto Azul 6	2602-46-2	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Direto Vermelho 6	573-58-0	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Direto Marrom 95	16071-86-6	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Solvente Amarelo 2	60-11-7	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Solvente Azul 4	6786-83-0	Max. 50,0	15,0	mg/kg	ND	NA
4,4'-bis (dimetilamino) -4 "- (metilamino) álcool de trítulo	561-41-1	Max. 50,0	15,0	mg/kg	ND	NA
C. I. Disperso Azul 102	12222-97-8	Max. 50,0	15,0	mg/kg	ND	NA

Formaldeído

Método de ensaio : Referenciado na ISO 14184-1:2011; análise realizada por UV-VIS.

<u>Item(s) de Teste</u>	<u>CAS-NO.</u>	<u>Limite</u>	<u>RL</u>	<u>Unid.</u>	<u>Resultado</u>	
					<u>001</u>	<u>Incerteza</u>
Formaldeído	50-00-0	-	16,00	mg/kg	ND	NA

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Notas :

Limite: tudo exceto embalagem: 16 ppm Embalagem: 150 pp

Metais Pesados Extraíveis

Método de ensaio : DIN EN 16711-2:2016,A análise foi realizada por ICP-MS.

<u>Item(s) de Teste</u>	<u>CAS-NO.</u>	<u>Limite</u>	<u>RL</u>	<u>Unid.</u>	Resultado	
					<u>001</u>	<u>Incerteza</u>
Antimônio (Sb)	7440-36-0	Max. 30,000	3,000	mg/kg	ND	NA
Arsênio (As)	7440-38-2	Max. 0,200	0,100	mg/kg	ND	NA
Bário (Ba)	7440-39-3	Max. 1000,000	100,000	mg/kg	ND	NA
Cádmio (Cd)	7440-43-9	Max. 0,100	0,050	mg/kg	ND	NA
Cromo (Cr)	7440-47-3	Max. 2,000	0,500	mg/kg	ND	NA
Cobalto (Co)	7440-48-4	Max. 1,000	0,500	mg/kg	ND	NA
Cobre (Cu)	7440-50-8	Max. 25,000	5,000	mg/kg	ND	NA
Chumbo (Pb)	7439-92-1	Max. 0,200	0,100	mg/kg	ND	NA
Mercúrio (Hg)	7439-97-6	Max. 0,020	0,020	mg/kg	ND	NA
Níquel (Ni)	7440-02-0	Max. 1,000	0,100	mg/kg	ND	NA
Selênio (Se)	7782-49-2	Max. 500,000	50,000	mg/kg	ND	NA

Metais Pesados Extraíveis - Cromo Hexavalente

Método de ensaio : DIN EN 16711-2-2016

<u>Item(s) de Teste</u>	<u>Limite</u>	<u>RL</u>	<u>Unid.</u>	Resultado	
				<u>001</u>	<u>Incerteza</u>
Cromo Hexavalente (Cr VI)	Max. 1,000	0,500	mg/kg	ND	NA

Metais Pesados Totais

Método de ensaio : DIN EN 16711-1:2016- A análise foi realizada por ICP-MS

<u>Item(s) de Teste</u>	<u>CAS-NO.</u>	<u>Limite</u>	<u>RL</u>	<u>Unid.</u>	Resultado	
					<u>001</u>	<u>Incerteza</u>
Arsênio (As)	7440-38-2	Max. 100,00	10,00	mg/kg	ND	NA
Cádmio (Cd)	7440-43-9	Max. 40,00	5,00	mg/kg	ND	NA
Mercúrio (Hg)	7439-97-6	Max. 0,50	0,10	mg/kg	ND	NA

Compostos Organoestânicos

Método de ensaio : Referenciado na ISO 16179 2012, análise realizada por GC-MS.

<u>Item(s) de Teste</u>	<u>CAS-NO.</u>	<u>Limite</u>	<u>RL</u>	<u>Unid.</u>	Resultado	
					<u>001</u>	<u>Incerteza</u>

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					001	Incerteza
Dibutilestanho (DBT)	1002-53-5	Max. 1,00	0,10	mg/kg	ND	NA
Di-n-octilestanho (DOT)	15231-44-4	Max. 1,00	0,10	mg/kg	ND	NA
Monobutilestanho (MBT)	78763-54-9	Max. 1,00	0,10	mg/kg	ND	NA
Triciclohexilestanho (TCyHT)	892-20-6	Max. 1,00	0,10	mg/kg	ND	NA
Trimetilestanho (TMT)		Max. 1,00	0,10	mg/kg	ND	NA
Trioctilestanho (TOT)	869-59-0	Max. 1,00	0,10	mg/kg	ND	NA
Tripropileno (TPT)		Max. 1,00	0,10	mg/kg	ND	NA
Tributilestanho (TBT)	688-73-3	Max. 0,50	0,10	mg/kg	ND	NA
Trifenilestanho (TPHT)	892-20-6	Max. 0,50	0,10	mg/kg	ND	NA

Ftalatos

Método de ensaio : Método ISO 14389:2014, análise realizada por GC-MS/CPSC-CH-C1001.09.4 de 1º de Abril de 2018, análise realizada por GC-MS.

Item(s) de Teste	CAS-NO.	Limite	RL	Unid.	Resultado	
					001	Incerteza
Di-isononil Ftalato (DINP)	28553-12-0	Max. 500,00	50,00	mg/kg	ND	NA
Di-n-octil Ftalato (DNOP)	117-84-0	Max. 500,00	50,00	mg/kg	ND	NA
Di(2-etilhexil) Ftalato (DEHP)	117-81-7	Max. 500,00	50,00	mg/kg	ND	NA
Di-isodecil Ftalato (DIDP)	26761-40-0	Max. 500,00	50,00	mg/kg	ND	NA
Benzil butil Ftalato (BBP)	85-68-7	Max. 500,00	50,00	mg/kg	ND	NA
Di(n-butil) Ftalato (DBP)	84-74-2	Max. 500,00	50,00	mg/kg	ND	NA
Di-isobutil Ftalato (DIBP)	84-69-5	Max. 500,00	30,00	mg/kg	ND	NA
Di-n-hexil Ftalato (DnHP)	84-75-3	Max. 500,00	50,00	mg/kg	ND	NA
Dietil Ftalato (DEP)	84-66-2	Max. 500,00	50,00	mg/kg	ND	NA
Dimetil Ftalato (DMP)	131-11-3	Max. 500,00	50,00	mg/kg	ND	NA
Di-n-pentil Ftalato (DPENP)	131-18-0	Max. 500,00	50,00	mg/kg	ND	NA
Diciclohexil Ftalato (DCHP)	84-61-7	Max. 500,00	50,00	mg/kg	ND	NA
1,2-Ácido benzenodicarboxílico, di-C6-8-álquil ésteres ramificados, C7-rich (DIHP)	71888-89-6	Max. 500,00	50,00	mg/kg	ND	NA
Bis(2-metoxietil) Ftalato (DMEP)	117-82-8	Max. 500,00	50,00	mg/kg	ND	NA
Diisopentil Ftalato (DIPP)	605-50-5	Max. 500,00	50,00	mg/kg	ND	NA
Dipropil Ftalato (DPRP)	131-16-8	Max. 500,00	50,00	mg/kg	ND	NA
Ftalato de diiso-octilo (DIOP)	27554-26-3	Max. 500,00	50,00	mg/kg	ND	NA
1,2-Ácido benzenodicarboxílico, di-C7-11-ramificados e lineares alquil éster (DHNUF)	68515-42-4	Max. 500,00	50,00	mg/kg	ND	NA
Ácido 1,2-benzenodicarboxílico, éster de dipentilo, ramificado e linear	84777-06-0	Max. 500,000	50,000	mg/kg	ND	NA
Ácido 1,2-benzenodicarboxílico, mistos decil e hexil e octil diésteres	68648-93-1	Max. 500,000	30,000	mg/kg	ND	NA
Ácido 1,2-benzenodicarboxílico, ésteres de di-C6-10-álquil	68515-51-5	Max. 500,000	30,000	mg/kg	ND	NA

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					<u>001</u>	<u>Incerteza</u>
N-pentil-isopentil Ftalato (NPiPP)	776297-69-9	Max. 500,00	30,00	mg/kg	ND	NA
Di-hexilftalato, ramificado e linear (DHxP)	68515-50-4	Max. 500,000	30,000	mg/kg	ND	NA
Di-iso-hexilftalato (DIHxP)	71850-09-4	Max. 500,00	30,00	mg/kg	ND	NA
Soma		Max. 1000,00	-	mg/kg	ND	NA

Quinolina

Método de ensaio : DIN 54231:2005A análise foi conduzida por LCMS / DAD

<u>Item(s) de Teste</u>	<u>CAS-NO.</u>	<u>Limite</u>	<u>RL</u>	<u>Unid.</u>	<u>Resultado</u>	
					<u>001</u>	<u>Incerteza</u>
Quinolina	91-22-6	Max. 50	10	mg/kg	ND	NA

Compostos Voláteis

Método de ensaio : Método In House 2483/13, EPA 8260C

<u>Item(s) de Teste</u>	<u>CAS-NO.</u>	<u>Limite</u>	<u>RL</u>	<u>Unid.</u>	<u>Resultado</u>	
					<u>001</u>	<u>Incerteza</u>
Hexaclorobutadieno	87-68-3	Max. 100,00	10,00	mg/kg	ND	NA
Benzeno	71-43-2	Max. 5,00	5,00	mg/kg	ND	NA
Dissulfeto de Carbono	75-15-0	-	10,00	mg/kg	ND	NA
Tetracloroeto de Carbono	56-23-5	-	10,00	mg/kg	ND	NA
Clorofórmio	67-66-3	-	10,00	mg/kg	ND	NA
Ciclohexanona	108-94-1	-	10,00	mg/kg	ND	NA
1,2-Dicloroetano	107-06-2	-	20,00	mg/kg	ND	NA
1,1-Dicloroetano	75-35-4	-	20,00	mg/kg	ND	NA
Pentacloroetano	76-01-7	-	10,00	mg/kg	ND	NA
Etilbenzeno	100-41-4	-	10,00	mg/kg	ND	NA
1,1,1,2-Tetracloroetano	630-20-6	-	20,00	mg/kg	ND	NA
1,1,1,2,2-Tetracloroetano	79-34-5	-	20,00	mg/kg	ND	NA
Tetracloroetileno	127-18-4	-	10,00	mg/kg	ND	NA
Tolueno	108-88-3	-	10,00	mg/kg	ND	NA
1,1,1-Tricloroetano	71-55-6	-	20,00	mg/kg	ND	NA
1,1,2-Tricloroetano	79-00-5	-	20,00	mg/kg	ND	NA
Tricloroetileno	79-01-6	-	10,00	mg/kg	ND	NA
Soma dos Xilenos (o,m,p)	1330-20-7	-	10,00	mg/kg	ND	NA
m-Xileno	108-38-3	-	10,00	mg/kg	ND	NA
o-Xileno	95-47-6	-	10,00	mg/kg	ND	NA
p-Xileno	106-42-3	-	10,00	mg/kg	ND	NA
Somatório de VOCs	-	Max. 1000,00	20,00	mg/kg	ND	NA

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Determinação de Bisfenol

Método de ensaio : Extração: 1 g amostra / 20 ml THF, sonicação por 60 minutos a 60°C, análise com LC/MS

Item(s) de Teste	CAS-NO.	Limite	RL	Unid.	Resultado	
					001	Incerteza
Bisfenol A (BPA)	80-05-7	Max. 1,00	1,00	mg/kg	ND	NA
Bisfenol-AF (BPAF)	1478-61-1	-	1,00	mg/kg	ND	NA
Bisfenol-F (BPF)	620-92-8	Max. 1,00	1,00	mg/kg	ND	NA
Bisfenol-S (BPS)	80-09-1	Max. 1,00	1,00	mg/kg	ND	NA

Notas :

Bisfenol-AF (BPAF) sem restrição

Nonilfenol (NP) e Octilfenol (OP)

Método de ensaio : Preparação da amostra por extração com solvente (EN ISO 21084:2019) , análise realizada por GC-MS.

Item(s) de Teste	CAS-NO.	Limite	RL	Unid.	Resultado	
					001	Incerteza
Nonilfenol (NP)	25154-52-3	-	10,00	mg/kg	ND	NA
Octilfenol (OP)	27193-28-8	-	10,00	mg/kg	ND	NA
Soma de NP e OP (AP)		Max. 100,00	10,00	mg/kg	ND	NA

Nonilfenol Etoxilado (NPEO) e Octilfenol Etoxilado (OPEO)

Método de ensaio : Preparação da amostra por extração com solvente (EN ISO 18254/16) , análise realizada por LC-MS.

Item(s) de Teste	CAS-NO.	Limite	RL	Unid.	Resultado	
					001	Incerteza
Nonilfenol Etoxilado (NPEO)	9016-45-9	-	20,00	mg/kg	ND	NA
Octilfenol Etoxilado (OPEO)	9002-93-1	-	20,00	mg/kg	ND	NA
Soma de NPEO e OPEO		Max. 100,00	-	mg/kg	ND	NA

Hidrocarbonetos aromáticos policíclicos (PAHs) e PAHs regulamentados de alta preocupação

Método de ensaio : Com referência ao AfPS GS 2019:01 PAK. A análise foi realizada por GC-MS.

Item(s) de Teste	CAS-NO.	Limite	RL	Unid.	Resultado	
					001	Incerteza
Acenafteno (ANA)	83-32-9	-	0,20	mg/kg	ND	NA
Acenaftileno (ANY)	208-96-8	-	0,20	mg/kg	ND	NA
Antraceno (ANT)	120-12-7	-	0,20	mg/kg	ND	NA
Benzo(g,h,i)perileno (BPE)	191-24-2	-	0,20	mg/kg	ND	NA
Fluoreno (FLU)	86-73-7	-	0,20	mg/kg	ND	NA

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Item(s) de Teste	CAS-NO.	Limite	RL	Unid.	Resultado	
					001	Incerteza
Fluoranteno (FLT)	206-44-0	-	0,20	mg/kg	ND	NA
Indeno(1,2,3-c,d)pireno (IPY)	193-39-5	-	0,20	mg/kg	ND	NA
Naftaleno (NAP)	91-20-3	-	0,20	mg/kg	ND	NA
Fenantreno (PHE)	85-01-8	-	0,20	mg/kg	ND	NA
Pireno (PYR)	129-00-0	-	0,20	mg/kg	ND	NA
Benzo (a) antraceno (BAA)	56-55-3	Max. 0,50	0,20	mg/kg	ND	NA
Benzo(a)pireno (BaP)	50-32-8	Max. 0,50	0,20	mg/kg	ND	NA
Benzo(b)fluoranteno (BbF)	205-99-2	Max. 0,50	0,20	mg/kg	ND	NA
Benzo(e)pireno (BEP)	192-97-2	Max. 0,50	0,20	mg/kg	ND	NA
Benzo(j)fluoranteno (BJF)	205-82-3	Max. 0,50	0,20	mg/kg	ND	NA
Benzo(k)fluoranteno (BKF)	207-08-9	Max. 0,50	0,20	mg/kg	ND	NA
Criseno (CDH)	218-01-9	Max. 0,50	0,20	mg/kg	ND	NA
Dibenzo(a,h)antraceno (DBA)	53-70-3	Max. 0,50	0,20	mg/kg	ND	NA
Soma de 18 PAHs		Max. 10,00	-	mg/kg	ND	NA

- As incertezas expandidas foram calculadas considerando k=2 e intervalo de confiança de aproximadamente 95%.

Nota :

- (1) RL = Limite de Reporte
- (2) ND = Não Detectado (< RL)
- (3) "-" = Não Analisado / Não Aplicável
- (4) "--" = Análises em Processo
- (5) 1 mg/kg = 0,0001%
- (6) mg/kg = ppm

Observações :

Os resultados reportados referem-se somente às amostras submetidas aos ensaios. A SGS não se responsabiliza pelas informações a respeito da composição da amostra e seus dados de fabricação. As mesmas são de responsabilidade exclusiva do cliente e não fazem parte do escopo de serviço da SGS do Brasil LTDA.

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A Regra de decisão definida pela SGS estabelece que a incerteza de medição não será considerada no Veredicto (declaração de conformidade) quando indicado no relatório de ensaio.

AVISO: As opiniões e interpretações expressas abaixo são baseadas nos resultados obtidos a partir do item ensaiado, aplicáveis somente para os ensaios em que os parâmetros de especificação estão inclusos nesse relatório.

Resumo de Resultados de Ensaio:

Teste Solicitado	Método de Ensaio	Avaliação
Valor de pH	BS ISO 3071:2020.	Atende
Metais Pesados Extraíveis	DIN EN 16711-2:2016,A análise foi realizada por ICP-MS.	Atende
Metais Pesados Extraíveis - Cromo Hexavalente	DIN EN 16711-2-2016	Atende

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Metais Pesados Totais	DIN EN 16711-1:2016- A análise foi realizada por ICP-MS	Atende
Corantes AZO	EN ISO 14362-1:2017 & EN ISO 14362-3: 2017.	Atende
Corantes Dispersos	Referenciado na DIN 54231:2005, análise realizada por LC-DAD-MS.	Atende
Formaldeído	Referenciado na ISO 14184-1:2011; análise realizada por UV-VIS.	Atende
Compostos Organoestânicos	Referenciado na ISO 16179 2012, análise realizada por GC-MS.	Atende
Ftalatos	Método ISO 14389:2014, análise realizada por GC-MS/CPSC-CH-C1001.09.4 de 1º de Abril de 2018, análise realizada por GC-MS.	Atende
Quinolina	DIN 54231:2005A análise foi conduzida por LCMS / DAD	Atende
Compostos Voláteis	Método In House 2483/13, EPA 8260C	Atende
Determinação de Bisfenol	Extração: 1 g amostra / 20 ml THF, sonicação por 60 minutos a 60°C, análise com LC/MS	Atende
Nonilfenol (NP) e Octilfenol (OP)	Preparação da amostra por extração com solvente (EN ISO 21084:2019) , análise realizada por GC-MS.	Atende
Nonilfenol Etoxilado (NPEO) e Octilfenol Etoxilado (OPEO)	Preparação da amostra por extração com solvente (EN ISO 18254/16) , análise realizada por LC-MS.	Atende
Hidrocarbonetos aromáticos policíclicos (PAHs) e PAHs regulamentados de alta preocupação	Com referência ao AfPS GS 2019:01 PAK. A análise foi realizada por GC-MS.	Atende

*** Final do Relatório ***

Os ensaios foram realizados no laboratório SGS do Brasil, localizado no endereço citado no rodapé deste relatório.