



Date: Barueri , 15 Jan 2019

Relatório de Ensaios

No. BR1704969 Rev. 3

Pag.1 de 6

DISTRISUPRI DISTRIBUIDORA E COMÉRCIO LTDA.

RUA MAJOR EMÍDIO DE CASTRO, 431

VILA SANTO ANTÔNIO

SÃO JOSÉ DO RIO PRETO/SP

CEP:15014-420

**** Este relatório anula e substitui o Relatório No. BR1704969 emitido pela SGS em 09/01/19 ****

SGS Ordem No. : 4260-26806-1

Total de Amostras Recebidas : 01 AMOSTRA

Condição de recebimento da amostra na SGS : CAIXA

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

Número da Proposta : CRS L-32327.53604.17 REV.00

Data de Recebimento da Amostra: 30 Out 2017

Período de análise : 30 Out 2017 - 07 Nov 2017

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 Ensaio : Consulte a(s) página(s) seguinte(s).

Assina em nome da

SGS do Brasil Ltda.

Graziella Leles Dias

Coordenadora de Laboratório CRQ IV 04261374



This document is issued by the Company under its General Conditions of Service available on request and accessible at http://www.br.sgs.com/pt_br/consumer_testing_br?lobId=16026. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 40 days only. This document cannot be reproduced except in full, without prior written approval of the Company.



Date: Barueri , 15 Jan 2019

Relatório de Ensaios

No. BR1704969 Rev. 3

Pag.2 de 6

Resultados dos Ensaios :

Descrição das Amostras

Item No.	SGS ID Amostra	Descrição
1	BR1704969.001	TONER PARA IMPRESSORA LASER-DSI (CARÇAÇA)
2	BR1704969.002	TONER PARA IMPRESSORA LASER-DSI (CILINDRO)
3	BR1704969.003	TONER PARA IMPRESSORA LASER-DSI (PÓ DO TONER)

Determinação de Chumbo, Cádmio, Cromo e Mercúrio em Polímeros, Metais e Eletrônicos por ICP-OES

Metodologia Referenciado nas IEC 62321-4 e 5:2013, análise realizada por ICP-OES.

Item(s) de Teste	Limite	Unid.	MQL	Incerteza	
Chumbo (Pb)	Max. 1000,00	mg/kg	12,50	± 2,35	001
Cádmio (Cd)	Max. 100,00	mg/kg	12,50	± 1,77	29,42
Mercúrio (Hg)	Max. 1000,00	mg/kg	62,50	NA	12,65
					ND
Item(s) de Teste	Limite	Unid.	MQL	Incerteza	002
Chumbo (Pb)	Max. 1000,00	mg/kg	12,50	NA	ND
Cádmio (Cd)	Max. 100,00	mg/kg	12,50	NA	ND
Mercúrio (Hg)	Max. 1000,00	mg/kg	62,50	NA	ND
Item(s) de Teste	Limite	Unid.	MQL	Incerteza	003
Chumbo (Pb)	Max. 1000,00	mg/kg	12,50	NA	ND
Cádmio (Cd)	Max. 100,00	mg/kg	12,50	NA	ND
Mercúrio (Hg)	Max. 1000,00	mg/kg	62,50	NA	ND

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

Determinação de Cromo Hexavalente em Polímeros e Eletrônicos por Método Colorimétrico

Metodologia Referenciado na IEC 62321:2008 e IEC 62321-7-1:2015, análise realizada por UV-VIS.

Item(s) de Teste	Limite	Unid.	MQL	Incerteza	001
Cromo Hexavalente	Max. 1000,00	mg/kg	10,00	NA	ND
Item(s) de Teste	Limite	Unid.	MQL	Incerteza	002
Cromo Hexavalente	Max. 1000,00	mg/kg	10,00	NA	ND
Item(s) de Teste	Limite	Unid.	MQL	Incerteza	003
Cromo Hexavalente	Max. 1000,00	mg/kg	10,00	NA	ND

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

This document is issued by the Company under its General Conditions of Service available on request and accessible at http://www.br.sgs.com/pt_br/consumer_testing_br?lobId=16026. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 40 days only. This document cannot be reproduced except in full, without prior written approval of the Company.





Date: Barueri , 15 Jan 2019

Relatório de Ensaios

No. BR1704969 Rev. 3

Pag.3 de 6

Determinação de PBB e PBDE em Polímeros por GC-MS

Metodologia Referenciado na IEC 62321-6:2015, análise realizada por GC-MS.

Item(s) de Teste	Limite	Unid.	MQL	Incerteza	001
Monobromobifenil	-	mg/kg	35,00	NA	ND
Dibromobifenil	-	mg/kg	35,00	NA	ND
Tribromobifenil	-	mg/kg	35,00	NA	ND
Tetrabromobifenil	-	mg/kg	35,00	NA	ND
Pentabromobifenil	-	mg/kg	35,00	NA	ND
Hexabromobifenil	-	mg/kg	35,00	NA	ND
Heptabromobifenil	-	mg/kg	35,00	NA	ND
Octabromobifenil	-	mg/kg	35,00	NA	ND
Nonabromobifenil	-	mg/kg	35,00	NA	ND
Decabromobifenil	-	mg/kg	35,00	NA	ND
Soma dos PBBs	Max. 1000,00	mg/kg	-	NA	ND
Monobromodifenil Eter	-	mg/kg	50,00	NA	ND
DiBromoDifenil Eter	-	mg/kg	50,00	NA	ND
Tribromodifenil Eter	-	mg/kg	50,00	NA	ND
Tetrabromodifenil Eter	-	mg/kg	50,00	NA	ND
Pentabromodifenil Eter	-	mg/kg	50,00	NA	ND
Hexabromodifenil Eter	-	mg/kg	50,00	NA	ND
Hexabromodifenil Eter	-	mg/kg	50,00	NA	ND
Heptabromodifenil Eter	-	mg/kg	50,00	NA	ND
Octabromodifenil Eter	-	mg/kg	125,00	NA	ND
Nonabromodifenil Eter	-	mg/kg	125,00	NA	ND
Nonabromodifenil Eter	-	mg/kg	125,00	NA	ND
Nonabromodifenil Eter	-	mg/kg	125,00	NA	ND
Decabromodifenil Eter	-	mg/kg	125,00	± 55,84	293,89
Soma dos PBDEs	Max. 1000,00	mg/kg	-	NA	293,89
Item(s) de Teste	Limite	Unid.	MQL	Incerteza	002
Monobromobifenil	-	mg/kg	35,00	NA	ND
Dibromobifenil	-	mg/kg	35,00	NA	ND
Tribromobifenil	-	mg/kg	35,00	NA	ND
Tetrabromobifenil	-	mg/kg	35,00	NA	ND
Pentabromobifenil	-	mg/kg	35,00	NA	ND
Hexabromobifenil	-	mg/kg	35,00	NA	ND
Heptabromobifenil	-	mg/kg	35,00	NA	ND
Octabromobifenil	-	mg/kg	35,00	NA	ND
Nonabromobifenil	-	mg/kg	35,00	NA	ND
Decabromobifenil	-	mg/kg	35,00	NA	ND
Soma dos PBBs	Max. 1000,00	mg/kg	-	NA	ND
Monobromodifenil Eter	-	mg/kg	50,00	NA	ND
DiBromoDifenil Eter	-	mg/kg	50,00	NA	ND
Tribromodifenil Eter	-	mg/kg	50,00	NA	ND
Tetrabromodifenil Eter	-	mg/kg	50,00	NA	ND
Pentabromodifenil Eter	-	mg/kg	50,00	NA	ND
Hexabromodifenil Eter	-	mg/kg	50,00	NA	ND
Hexabromodifenil Eter	-	mg/kg	50,00	NA	ND



This document is issued by the Company under its General Conditions of Service available on request and accessible at http://www.br.sgs.com/pt_br/consumer_testing_br?lobid=16026. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 40 days only. This document cannot be reproduced except in full, without prior written approval of the Company.



Date: Barueri , 15 Jan 2019

Relatório de Ensaios

No. BR1704969 Rev. 3

Pag.4 de 6

Item(s) de Teste	Limite	Unid.	MQL	Incerteza	002
Hexabromodifenil Eter	-	mg/kg	50,00	NA	ND
Heptabromodifenil Eter	-	mg/kg	50,00	NA	ND
Octabromodifenil Eter	-	mg/kg	125,00	NA	ND
Nonabromodifenil Eter	-	mg/kg	125,00	NA	ND
Nonabromodifenil Eter	-	mg/kg	125,00	NA	ND
Nonabromodifenil Eter	-	mg/kg	125,00	NA	ND
Decabromodifenil Eter	-	mg/kg	125,00	NA	ND
Soma dos PBDEs	Max. 1000,00	mg/kg	-	NA	ND
Item(s) de Teste	Limite	Unid.	MQL	Incerteza	003
Monobromobifenil	-	mg/kg	35,00	NA	ND
Dibromobifenil	-	mg/kg	35,00	NA	ND
Tribromobifenil	-	mg/kg	35,00	NA	ND
Tetrabromobifenil	-	mg/kg	35,00	NA	ND
Pentabromobifenil	-	mg/kg	35,00	NA	ND
Hexabromobifenil	-	mg/kg	35,00	NA	ND
Heptabromobifenil	-	mg/kg	35,00	NA	ND
Octabromobifenil	-	mg/kg	35,00	NA	ND
Nonabromobifenil	-	mg/kg	35,00	NA	ND
Decabromobifenil	-	mg/kg	35,00	NA	ND
Soma dos PBBs	Max. 1000,00	mg/kg	-	NA	ND
Monobromodifenil Eter	-	mg/kg	50,00	NA	ND
DiBromoDifenil Eter	-	mg/kg	50,00	NA	ND
Tribromodifenil Eter	-	mg/kg	50,00	NA	ND
Tetrabromobifenil Eter	-	mg/kg	50,00	NA	ND
Pentabromodifenil Eter	-	mg/kg	50,00	NA	ND
Hexabromodifenil Eter	-	mg/kg	50,00	NA	ND
Hexabromodifenil Eter	-	mg/kg	50,00	NA	ND
Heptabromodifenil Eter	-	mg/kg	50,00	NA	ND
Octabromodifenil Eter	-	mg/kg	125,00	NA	ND
Nonabromodifenil Eter	-	mg/kg	125,00	NA	ND
Nonabromodifenil Eter	-	mg/kg	125,00	NA	ND
Nonabromodifenil Eter	-	mg/kg	125,00	NA	ND
Decabromodifenil Eter	-	mg/kg	125,00	NA	ND
Soma dos PBDEs	Max. 1000,00	mg/kg	-	NA	ND

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

Nota :

- (1) MQL = Limite de Quantificação do Método
- (2) ND = Não Detectado (< MQL)
- (3) "-" = Não Analisado
- (4) "---" = Análises em Processo

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.

Este documento não pode ser reproduzido, exceto na íntegra, sem aprovação prévia por escrito da SGS.

This document is issued by the Company under its General Conditions of Service available on request and accessible at http://www.br.sgs.com/pt_br/consumer_testing_br?lobId=16026. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 40 days only. This document cannot be reproduced except in full, without prior written approval of the Company.





Date: Barueri , 15 Jan 2019

Relatório de Ensaios

No. BR1704969 Rev. 3

Pag.5 de 6

Revisão 01: Alterada razão social de Distrisupri Distribuidora e Comércio Ltda - ME para Distrisupri Distribuidora e Comércio Ltda e retirada foto do laudo conforme solicitação do cliente

Revisão 02: Conforme solicitação do cliente alterado o endereço de RUA JORGE TIBIRIÇA, 2474 - PARQUE INDUSTRIAL - SÃO JOSÉ DO RIO PRETO/SP para RUA MAJOR EMÍDIO DE CASTRO, 431 - VILA SANTO ANTONIO - SÃO JOSÉ DO RIO PRETO/SP e inserido incerteza.

Revisão 03: Conforme solicitação do cliente alterado o CEP de 15025-060 para 15014-420.

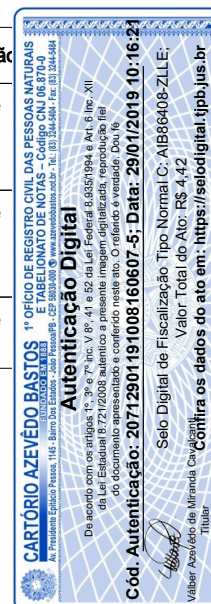
Opiniões e Interpretações :

Baseado nos testes executados na amostra, o resultado **atende** aos requisitos estabelecidos pela Directiva RoHS 2015/863/UE e suas emendas subsequentes, para os ensaios realizados.

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 e também não fazem parte do nosso escopo de acreditação.

Resumo de Resultados :

Teste Solicitado :	Método de Ensaio	Avaliação
Determinação de Chumbo, Cádmio, Cromo e Mercúrio em Polímeros, Metais e Eletrônicos por ICP-OES	Referenciado nas IEC 62321-4 e 5:2013, análise realizada por ICP-OES.	Atende
Determinação de Cromo Hexavalente em Polímeros e Eletrônicos por Método Colorimétrico	Referenciado na IEC 62321:2008 e IEC 62321-7-1:2015, análise realizada por UV-VIS.	Atende
Determinação de PBB e PBDE em Polímeros por GC-MS	Referenciado na IEC 62321-6:2015, análise realizada por GC-MS.	Atende



This document is issued by the Company under its General Conditions of Service available on request and accessible at http://www.br.sgs.com/pt_br/consumer_testing_br?lbid=16026. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 40 days only. This document cannot be reproduced except in full, without prior written approval of the Company.



Date: Barueri , 15 Jan 2019

Relatório de Ensaios

No. BR1704969 Rev. 3

Pag.6 de 6

*** Final do Relatório ***

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



This document is issued by the Company under its General Conditions of Service available on request and accessible at http://www.br.sgs.com/pt_br/consumer_testing_br?lobId=16026. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 40 days only. This document cannot be reproduced except in full, without prior written approval of the Company.