VIDEOLAR-INNOVA S/A
ROD BR 386, RODOVIA TABAI/CANOAS, VIA DE CONTORNO
212
KM 419
TRIUNFO, RS 95853000
BRAZIL

SGS Ordem No. :	40006586
SGS ID Amostra	BR1902961-02.001
Descrição	ST-200N
Total de Amostras Recebidas :	01 amostra
Condição de recebimento da amostra na SGS :	Caixa
Número do Lote :	19-20111
Pais de Origem :	Brasil
Data de Fabricação da Amostra :	05/2019
Fabricante :	Videolar-innova S.A

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

Número da Proposta :	PR19-00725
Data de Recebimento da Amostra:	25 Jul 2019
Período de análise :	26 Jul 2019 - 29 Jul 2019
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).

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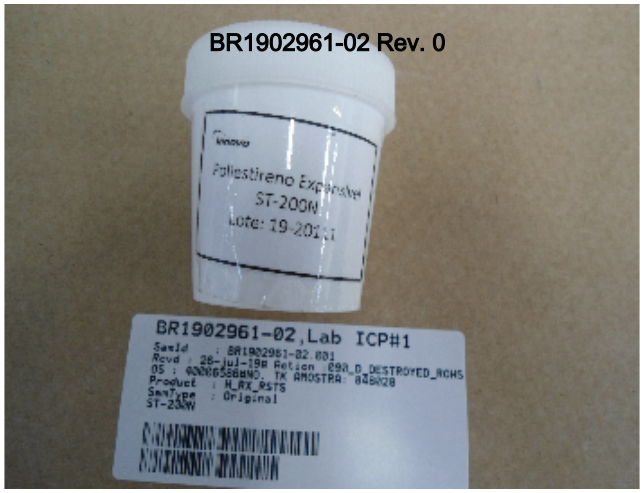
Foto da Amostra :



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Assina em nome da
SGS do Brasil Ltda.

Alessandra Shimizu
Gerente de Laboratório CRQ 04245592

Altair Drucker
Supervisor de laboratório CRQ 04253530

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Resultados dos Ensaios :

Descrição das Amostras :

Item No.	SGS ID Amostra	Descrição
1	BR1902961.001	ST-200N

Identificação por Raio-X

Método de ensaio : Método In House

Item(s) de Teste	CAS NO.	Limite	MQL	Unid.	001
Bromo	7726-95-6	-	-	-	presente

Notas :

Para as amostras com resultado presente ou inconclusivo, recomenda-se a realização de ensaios complementares "Wet Chemical" para a identificação da existência dessas substâncias.

Nota :

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(3) "-" =	Não Analisado
(4) "--" =	Análises em Processo
(5) 1 mg/kg =	0,0001%
(6) mg/kg=	ppm

Observações :

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Date: Barueri , 01 Ago 2019

Relatório de Ensaios

No. BR1902961-01 Rev. 0

VIDEOLAR-INNOVA S/A
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TRIUNFO, RS 95853000
BRAZIL

SGS Ordem No. :	40006586
Total de Amostras Recebidas :	01 amostra
Condição de recebimento da amostra na SGS :	Caixa
Número do Lote :	19-20111
Pais de Origem :	Brasil
Data de Fabricação da Amostra :	05/2019
Fabricante :	Videolar-innova S.A

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

Número da Proposta :	PR19-00725
Data de Recebimento da Amostra:	25 Jul 2019
Período de análise :	26 Jul 2019 - 01 Ago 2019
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).

Assina em nome da
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Resultados dos Ensaios :

Descrição das Amostras

Item No.	SGS ID Amostra	Descrição
1	BR1902961.001	ST-200N

Ftalatos

Metodologia Referenciado na CPSC-CH-C1001.09.3 de 1º de Abril de 2010, análise realizada por GC-MS.

Item(s) de Teste	CAS NO.	Limite	Unid.	MQL	Incerteza	*001*
Di(2-etilhexil) Ftalato (DEHP)	117-81-7	Max. 0,100	%	0,006	NA	ND
Benzil butil Ftalato (BBP)	85-68-7	Max. 0,100	%	0,006	NA	ND
Di(n-butil) Ftalato (DBP)	84-74-2	Max. 0,100	%	0,006	NA	ND
Di-isobutil Ftalato (DIBP)	84-69-5	Max. 0,100	%	0,006	NA	ND

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

Nota :

(1) MQL = Limite de Quantificação do Método
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(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.

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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.

Resumo de Resultados :

Teste Solicitado :	Método de Ensaio	Avaliação
Ftalatos	Referenciado na CPSC-CH-C1001.09.3 de 1º de Abril de 2010, análise realizada por GC-MS.	Atende

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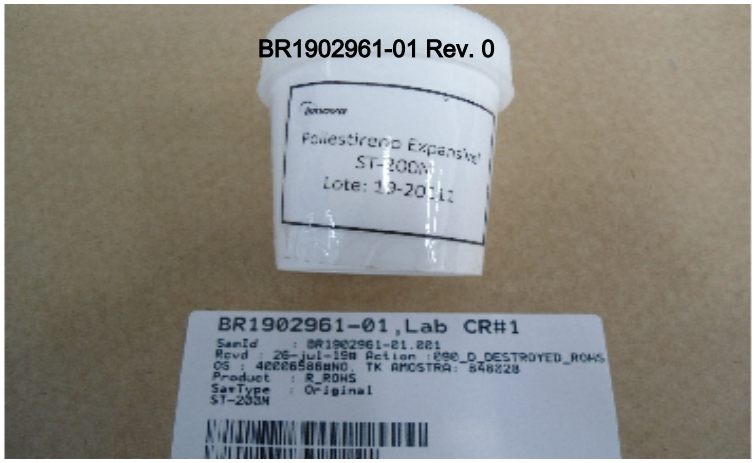

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*** Final do Relatório ***

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Ensaios NBR ISO/IEC 17025

CRL 0558

Date: Barueri , 02 Ago 2019

Relatório de Ensaios

No. BR1902961 Rev. 0

VIDEOLAR-INNOVA S/A
ROD BR 386, RODOVIA TABAI/CANOAS, VIA DE CONTORNO
212
KM 419
TRIUNFO, RS 95853000
BRAZIL

SGS Ordem No. :	40006586
Total de Amostras Recebidas :	01 amostra
Condição de recebimento da amostra na SGS :	Caixa
Número do Lote :	19-20111
Pais de Origem :	Brasil
Data de Fabricação da Amostra :	05/2019
Fabricante :	Videolar-innova S.A

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

Número da Proposta :	PR19-00725
Data de Recebimento da Amostra:	25 Jul 2019
Período de análise :	26 Jul 2019 - 02 Ago 2019
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).

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Resultados dos Ensaios :

Descrição das Amostras

Item No.	SGS ID Amostra	Descrição
1	BR1902961.001	ST-200N

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	*001*
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 62321:2015 , 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

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

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
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

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Relatório de Ensaios

No. BR1902961 Rev. 0

Item(s) de Teste	Limite	Unid.	MQL	Incerteza	*001*
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%.

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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.

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 62321:2015 , 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

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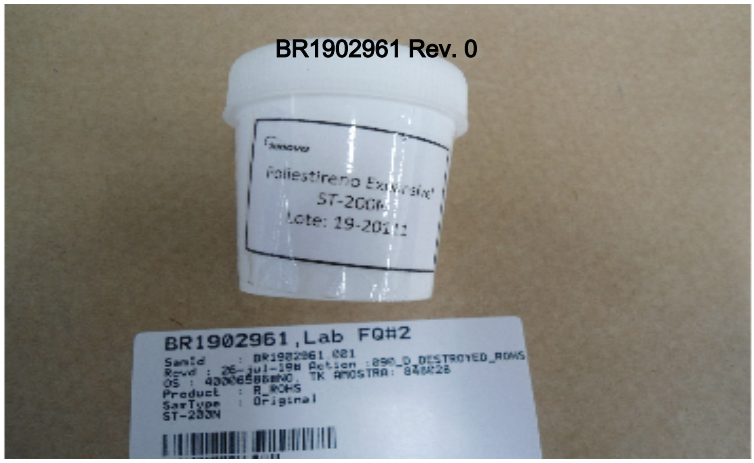

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