



## ESCOPO DA ACREDITAÇÃO – ABNT NBR ISO/IEC 17025 – ENSAIO

Norma de Origem: NIT-DICLA-016

Folha: 1

Total de Folhas: 8

### RAZÃO SOCIAL/DESIGNAÇÃO DO LABORATÓRIO

INTERTEK TESTING SERVICES HONG KONG LIMITED

ACREDITAÇÃO Nº

TIPO DE INSTALAÇÃO

CRL 0483

INSTALAÇÃO PERMANENTE

ÁREA DE ATIVIDADE /  
PRODUTO

CLASSE DE ENSAIO / DESCRIÇÃO DO ENSAIO

NORMA E /OU PROCEDIMENTO

**TOYS, CHILDREN'S  
PRODUCTS AND  
PARTY ARTICLES**  
TOYS

#### **ACOUSTIC TESTS**

Determination the General, Mechanical and  
Physical (sound pressure level)

NM 300-1:2002 + A1:2007,  
items 4.28 and 5.26  
ABNT NBR NM 300-1:2011, items 4.28  
and 5.26  
(except item 4.28(d) percussion caps)

Inmetro Ordinance no. 302/ 2021  
Annex I - item 5.1.7, 5.3.107

#### **MECHANICAL TESTS**

Determination of General, Physical and  
Mechanical Properties

NM 300-1:2002 + A1:2007  
Except items 4.3.1-D.4, 4.28 and 5.26

ABNT NBR NM 300-1:2011  
Except items 4.3.1-D.4, 4.28 and 5.26

Inmetro Ordinance no. 302/ 2021  
Annex I - items 5.1.1 to 5.1.4; 5.1.6;  
5.1.9 to 5.1.17; 5.2.1 to 5.2.3; 5.3.1 to  
5.3.34; 5.3.36 to 5.3.40; 5.3.42 to  
5.3.106.

Determination of markings, caption, instructions for  
use and mandatory and information on the product  
and packaging

Inmetro Ordinance no. 302/ 2021  
Annex I - items 5.1.12 and 5.9

Determination of Marking or Identification of  
Firearm-Shaped Toys

Inmetro Ordinance no. 302/ 2021  
Annex I and Annex C

Boil Test for Teether and Teething Toys

Inmetro Ordinance no. 302/ 2021  
Annex II – Annex A – item 8

***“Este Escopo cancela e substitui a revisão emitida anteriormente”***

Em, 08/04/2024

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CRL 0483	INSTALAÇÃO PERMANENTE		
ÁREA DE ATIVIDADE / PRODUTO	CLASSE DE ENSAIO / DESCRIÇÃO DO ENSAIO	NORMA E /OU PROCEDIMENTO	
<b><u>TOYS, CHILDREN'S PRODUCTS AND PARTY ARTICLES</u></b> TOYS (CONT.)	Bite Resistance Test	Inmetro Ordinance no. 302/ 2021 Annex II – Annex A – item 9	
	Determination of Flammability Properties	NM 300-2:2002 ABNT NBR NM 300-2:2004  Inmetro Ordinance no. 302/ 2021 Annex I – item 5.4	
	<b><u>ELECTRICAL TESTS</u></b>		
	Determination of Safety of Electric Toys	NM 300-6:2002 ABNT NBR NM 300-6:2004  Inmetro Ordinance no. 302/ 2021 Annex I – item 5.8	
	Optical power of lasers and LED	IEC 60825-1:2014  Inmetro Ordinance no. 302/ 2021 Annex I – item 5.3.35	
	<b><u>CHEMICAL TESTS</u></b>		
	Determination of Migration of Heavy Metals by Inductively Coupled Plasma Optical Emission Spectrometry (ICP/OES)  Antimony (Sb) QL : 5 mg/kg Arsenic (As) QL : 2.5 mg/kg Barium (Ba) QL : 5 mg/kg Cadmium (Cd) QL : 5 mg/kg Chromium (Cr) QL : 5 mg/kg Lead (Pb) QL : 5 mg/kg Mercury (Hg) QL : 5 mg/kg Selenium (Se) QL : 5 mg/kg	NM 300-3:2002 + Errata 1: 2007  ABNT NBR NM 300-3:2011  Inmetro Ordinance no. 302/ 2021 Annex I, item 5.5.4, 5.5.5 & 5.5.6	
	<b><u>TOYS, CHILDREN'S PRODUCTS AND PARTY ARTICLES</u></b> TOYS (CONT.)	<b><u>CHEMICAL TESTS</u></b>	

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ÁREA DE ATIVIDADE / PRODUTO	CLASSE DE ENSAIO / DESCRIÇÃO DO ENSAIO	NORMA E /OU PROCEDIMENTO
	Determination of Phthalates by Gas Chromatography Mass Spectrometry (GC/MS) Dibutyl Phthalate (DBP) QL : 0.01% (w/w) Benzyl Butyl Phthalate (BBP) QL : 0.01% (w/w) Di-(2-ethylhexyl) phthalate (DEHP) QL : 0.01% (w/w) Di-n-octyl phthalate (DNOP) QL : 0.01% (w/w) Diisononyl phthalate (DINP) QL : 0.01% (w/w) Diisodecyl phthalate (DIDP) QL : 0.01% (w/w)	Inmetro Ordinance no. 302/2021 Annex I, item 5.2.5 & 5.2.6  ABNT NBR 16040:2018 Method A ABNT NBR 16040:2020 Method C (ISO 8124-6:2018 Method A)
	Determination of characterization of PVC material, using Beilstein method	Inmetro Ordinance no. 302/2021 Annex II, Annex A, item 5.1
	Determination of Formamide Content in Toys Containing Expanded Ethylene-Vinyl Acetate Copolymer (EVA) by Gas Chromatography Mass Spectrometry (GCMS) QL : 0.005% (50 mg/kg)	Inmetro Ordinance no. 302/2021 Annex I, item 5.2.7 Annex II, Annex A, item 6
	Determination of Lead Content in Paint and Similar Coating Materials Used in Toys by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) QL : 20 mg/kg	Inmetro Ordinance no. 302/2021 Annex I, item 5.5.7  CPSC-CH-E1003-09.1
	Determination of Lead Content in Accessible Materials of Toys by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) QL : 20 mg/kg	Inmetro Ordinance no. 302/2021 Annex I, item 5.5.8  CPSC-CH-E1001-08.3 (metal) CPSC-CH-E1002-08.3 (non-metal)
	Determination of Cadmium Content in Metal Parts in Toys by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) QL : 100 µg/kg QL : 5 µg (CPSC-CH-E1004-11)	Inmetro Ordinance no. 302/2021 Annex I, item 5.5.9  NM 300-3:2002 + Errata 1: 2007 ABNT NBR NM 300-3:2011  CPSC-CH-E1004-11
	Determination of pentachlorophenol or its salts	ABNT NBR NM 300-1:2011 item 4.7.3 / 5.24 Inmetro Ordinance no. 302/ 2021 Annex I – item 5.3.41
<b><u>TOYS, CHILDREN'S PRODUCTS AND PARTY ARTICLES</u></b> School articles	<b><u>MECHANICAL TESTS</u></b>	

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CRL 0483	INSTALAÇÃO PERMANENTE	
ÁREA DE ATIVIDADE / PRODUTO	CLASSE DE ENSAIO / DESCRIÇÃO DO ENSAIO	NORMA E /OU PROCEDIMENTO
	Determination of Mechanical Properties	ABNT NBR 15236:2021 Ordinance No. 481 of December 7, 2010, clause 1 to 3; 4.1 to 4.7; 4.14 to 4.16; 5.1; Annex C to E; Figure C.1 and Tables D.1, E.1, E.2
<b><u>TOYS, CHILDREN'S PRODUCTS AND PARTY ARTICLES</u></b> School articles	<b><u>ELECTRICAL TESTS</u></b>	
	Determination of Safety of Electric Articles	ABNT NBR 15236: 2021 Clause 4.12 ABNT NBR NM300-6:2004
	<b><u>CHEMICAL TESTS</u></b>	
	Determination of Heavy Metals by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES)  Antimony (Sb) QL : 5 mg/kg Arsenic (As) QL : 2.5 mg/kg Barium (Ba) QL : 5 mg/kg Cadmium (Cd) QL : 5 mg/kg Chromium (Cr) QL : 5 mg/kg Lead (Pb) QL : 5 mg/kg Mercury (Hg) QL : 5 mg/kg Selenium (Se) QL : 5 mg/kg	ABNT NBR 15236:2021, item 5.2.1, 5.2.2, 5.2.4, 5.2.5, 5.2.6 and 5.2.7
	Determination of Phthalates by Gas Chromatography Mass Spectrometry (GC/MS)  Dibutyl Phthalate (DBP) QL : 0.01% (w/w) Benzyl Butyl Phthalate (BBP) QL : 0.01% (w/w) Di-(2-ethylhexyl) phthalate (DEHP) QL : 0.01% (w/w) Di-n-octyl phthalate (DNOP) QL : 0.01% (w/w) Diisononyl phthalate (DINP) QL : 0.01% (w/w) Diisodecyl phthalate (DIDP) QL : 0.01% (w/w)	ABNT NBR 15236:2021 item 4.13  ABNT NBR 16040:2018 Method A ABNT NBR 16040:2020 Method C (ISO 8124-6:2018 Method A)
	Determination of Pentachlorophenol or its salts in Wood Articles by Gas Chromatography Electron Capture Detector (GC/ECD) or Gas Chromatography Mass Spectrometry (GC/MS)  QL: 1 mg/kg	ABNT NBR 15236:2021, item 5.2.3.2
<b><u>TOYS, CHILDREN'S PRODUCTS AND PARTY ARTICLES</u></b> School articles (CONT.)	<b><u>CHEMICAL TESTS</u></b>	

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ÁREA DE ATIVIDADE / PRODUTO	CLASSE DE ENSAIO / DESCRIÇÃO DO ENSAIO	NORMA E /OU PROCEDIMENTO
	Determination of Pentachlorophenol or its salts	ABNT NBR 15236:2021, item 4.7 / 5.2.3.1
	Determination of characterization of PVC material, using Beilstein method	ABNT NBR 15236:2021, item 5.2.8
<b>METAL PRODUCTS COOKWARE USE ON STOVE AND OVEN (EXCLUDE PRESSURE COOKER)</b>	<b><u>MECHANICAL TESTS</u></b>	
	Effective thickness determination	INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.2.1 and 3.1.1 Annex C
	Effective diameter determination	INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.2.2 and 3.1.2 Annex C
	Diagonal determination	INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.2.3 and 3.1.3 Annex C
	Dimensions of the handles, cables and utensils fastening system	INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.2.4 and 3.1.4 Annex C
	Volumetric capacity	ABNT NBR 14630:2018 Annex A INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.9
	Adhesion test with whole milk	ABNT NBR 15321:2013, clause 4.2.3 INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.3.1 and 3.2.1 Annex C
	Utensil adhesion test with egg	ABNT NBR 15321:2013, clause 4.2.4 INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.3.1 and 3.2.2 Annex C
<b>METAL PRODUCTS COOKWARE USE ON STOVE AND OVEN (EXCLUDE PRESSURE COOKER) (CONT.)</b>	<b><u>MECHANICAL TESTS</u></b>	

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ÁREA DE ATIVIDADE / PRODUTO	CLASSE DE ENSAIO / DESCRIÇÃO DO ENSAIO	NORMA E /OU PROCEDIMENTO
	Metal adhesion test (grid test)	ABNT NBR 15321:2019, clause 5.3 ABNT NBR 15321:2013, clause 4.2.5 ABNT NBR 14622:2006 INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.3.1 and 3.2.3 Annex C
	Abrasion resistance test	ABNT NBR 15321:2013, clause 4.2.6  INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.3.1 and 3.2.4 Annex C
	Adherence on aluminum	ABNT NBR 14630:2018 Annex D INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.3.2.5.1 and 3.5.8.5.1 Annex C
	Resistance citric acid in boiling	ISO 28706-2:2017 INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.3.2.5.2.1 and 3.2.8.5.2.1 Annex C
	Resistance to boiling water	ISO 28706-2:2017 INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.3.2.5.2.2 and 3.2.8.5.2.2 Annex C
	Resistance to thermal shock	ISO 2747:1998 INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.3.2.5.2.3 and 3.2.8.5.2.3 Annex C
	Impact resistance	ISO 4532:1991  INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.3.2.5.2.4 and 3.2.8.5.2.4 Annex C
<b>METAL PRODUCTS</b> COOKWARE USE ON STOVE AND OVEN (EXCLUDE PRESSURE COOKER) (CONT.)	<b>MECHANICAL TESTS</b>	

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ÁREA DE ATIVIDADE / PRODUTO	CLASSE DE ENSAIO / DESCRIÇÃO DO ENSAIO	NORMA E /OU PROCEDIMENTO
	Fixing the thermospray by impact process	ABNT NBR 14630-2018 Annex E  INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.4 and 3.3 Annex C
	Torsion test	ABNT NBR 14876-2016, clause 7  INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.5 and 3.4.1 Annex C
	Fatigue test	ABNT NBR 14876-2016, clause 9 INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.5 and 3.4.2 Annex C
	Sharp edges and burrs test	INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.5 and 3.4.3 Annex C
	Leak test	ABNT NBR 14876-2016, clause 10 INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.6.1 and 3.5.1 Annex C
	Heat spread test	ABNT NBR 14876-2016, clause 10  INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.6.2 and 3.5.2 Annex C
	Burning resistance test	ABNT NBR 14876-2016, clause 11  INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.6.3 and 3.5.3 Annex C
	Heat resistance test	INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.6.4 and 3.5.4 Annex C
<b>METAL PRODUCTS</b> COOKWARE USE ON STOVE AND OVEN (EXCLUDE PRESSURE COOKER) (CONT.)	<b><u>MECHANICAL TESTS</u></b>	

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ÁREA DE ATIVIDADE / PRODUTO	CLASSE DE ENSAIO / DESCRIÇÃO DO ENSAIO	NORMA E /OU PROCEDIMENTO
	Stability test	INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.6.5
	Markings and instructions	INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.8
	Thickness	ABNT NBR 12610:2010 ABNT NBR 12611:2006 INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.3.2.1 and 3.2.8.1 Annex C
	Resistance to stain	ABNT NBR 14630:2018 Annex B INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.3.2.2 and 3.2.8.2 Annex C
	Resistance to alkalis	ABNT NBR 14630:2018 Annex C INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.3.2.3 and 3.2.8.3 Annex C
	Hardness	ABNT NBR 14155:2010 INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.3.2.4 and 3.2.8.4 Annex C
	<b><u>CHEMICAL TESTS</u></b>	
	Corrosion test with boiling sodium chloride solution	ABNT NBR 15321-1:2019, clause 5.4 ABNT NBR 15321-1:2013, clause 4.2.7 INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.3.1 and 3.2.5 Annex C
	Corrosion test with detergent solution	ABNT NBR 15321:2013, clause 4.2.8 INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.3.1 and 3.2.6 Annex C
	Salt spray resistant test	ABNT NBR 8094:1983 ABNT NBR 8094:2023 INMETRO Ordinance no. 499 of Dec 20, 2021 Clause 4.2.7.1 and 3.6.1 Annex C