

Laboratory	Eurasia Analytical Service Center, Coca-Cola India Pvt. Ltd, Plot No. 1109-1110, Village-Pirangut, Taluka-Mulshi, Pune, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	31.07.2015
Certificate Number	T-0717	Valid Until	30.07.2017
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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	FOOD & AGRICULTURAL PRODUCTS			
1.	Carbonated Beverages/ Non-Carbonated Beverages	Total dissolved solids	EASC-QC-PC-02 Issue Date 01 Aug 2011	1 ° to 65 ° Brix
		Carbonation	EASC-QC-PC-03 Issue Date 01 Aug 2011	1 to 6 Volume of CO ₂
		Total Titratable Acidity	EASC-QC-PC-09 Issue Date 01 Aug 2011	(1 mg to 500 mg)/100 ml
		Ascorbic Acid	EASC-QC-PC-53 Issue Date 01 Aug 2011	(1 mg to 3000 mg)/100 ml
		Acesulfame-K	EASC-QC-PC-49 Issue Date 01 Aug 2011	1 mg/l to 400 mg/l
		Aspartame	EASC-QC-PC-49 Issue Date 01 Aug 2011	1 mg/l to 500 mg/l
		Caffeine	EASC-QC-PC-49 Issue Date 01 Aug 2011	1 mg/l to 300 mg/l
		Sodium Benzoate	EASC-QC-PC-49 Issue Date 01 Aug 2011	1 mg/l to 500 mg/l
		Potassium Sorbate	EASC-QC-PC-49 Issue Date 01 Aug 2011	1 mg/l to 500 mg/l
		Saccharine	EASC-QC-PC-49 Issue Date 01 Aug 2011	1 mg/l to 200 mg/l

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	Carbonated Beverages/ Non-Carbonated Beverages	pH	IS 3025 (Part 11): 1983 (RA 2002)	1 to 14
		Product Appearance	EASC-QC-PC-11 Issue Date 01 Aug 2011	Qualitative
		Sensory testing	EASC-QC-PC-10 Issue Date 01 Aug 2011	Qualitative
		Sodium	EASC-QC-PC-44 Issue Date 01 Aug 2011	1 mg/l to 500 mg/l LOD 1 mg/l
		Potassium	EASC-QC-PC-44 Issue Date 01 Aug 2011	1 mg/l to 500 mg/l LOD 1 mg/l
		Magnesium	EASC-QC-PC-44 Issue Date 01 Aug 2011	1 mg/l to 500 mg/l LOD 1 mg/l
		Calcium	EASC-QC-PC-44 Issue Date 01 Aug 2011	2 mg/l to 500 mg/l LOD 1 mg/l
		Vitamin B3	EASC-QC-PC-58 Issue Date 01 Aug 2011	1 mg/l to 200 mg/l LOD 0.5 mg/l
		Vitamin B5	EASC-QC-PC-58 Issue Date 01 Aug 2011	1 mg/l to 200 mg/l LOD 0.5 mg/l
		Vitamin B6	EASC-QC-PC-58 Issue Date 01 Aug 2011	1 mg/l to 200 mg/l LOD 0.6 mg/l
	Allura Red	EASC-QC-PC-54 Issue Date 01 Aug 2011	1 mg/l to 120 mg/l	

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	Carbonated Beverages/ Non-Carbonated Beverages	Amaranth	EASC-QC-PC-54 Issue Date 01 Aug 2011	1 mg/l to 120 mg/l
		Azorubin (carmoisine)	EASC-QC-PC-54 Issue Date 01 Aug 2011	1 mg/l to 120 mg/l
		Brilliant Blue	EASC-QC-PC-54 Issue Date 01 Aug 2011	1 mg/l to 120 mg/l
		Ponceau 4R	EASC-QC-PC-54 Issue Date 01 Aug 2011	1 mg/l to 120 mg/l
		Sunset Yellow	EASC-QC-PC-54 Issue Date 01 Aug 2011	1 mg/l to 120 mg/l
		Tartrazine Yellow	EASC-QC-PC-54 Issue Date 01 Aug 2011	1 mg/l to 120 mg/l
		Quinoline Yellow	EASC-QC-PC-56 Issue Date 01 Aug 2011	1 mg/l to 120 mg/l
		Arsenic	EASC-QC-PC-46 Issue Date 01 Aug 2011 (Based on AOAC Official methods 993.14)	1 µg/l to 500 µg/l LOD 0.1 µg/l
		Cadmium		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Chromium		1 µg/l to 500 µg/l LOD 0.1 µg/l
	Lead		1 µg/l to 500 µg/l LOD 0.1 µg/l	

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Carbonated Beverages/Non-Carbonated Beverages	Nickel	EASC-QC-PC-46 Issue Date 01 Aug 2011 (Based on AOAC Official methods 993.14)	1 µg/l to 500 µg/l LOD 0.1 µg/l
		Zinc		1 µg/l to 500 µg/l LOD 0.3 µg/l
		Aluminum		10 µg/l to 500 µg/l LOD 10 µg/l
		Antimony		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Barium		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Copper		1 µg/l to 500 µg/l LOD 0.5 µg/l
		Iron		3 µg/l to 500 µg/l LOD 2 µg/l
		Manganese		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Selenium		0.2 µg/l to 500 µg/l LOD 0.1 µg/l
		Silver		1 µg/l to 500 µg/l LOD 0.1 µg/l
	Boron		1 µg/l to 500 µg/l LOD 1 µg/l	

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	Carbonated Beverages/Non-Carbonated Beverages	Lithium	EASC-QC-PC-46 Issue Date 01 Aug 2011 (Based on AOAC Official methods 993.14)	0.3 µg/l to 500 µg/l LOD 0.3 µg/l
		Beryllium		0.3 µg/l to 500 µg/l LOD 0.3 µg/l
		Vanadium		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Cobalt		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Gallium		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Rubidium		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Strontium		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Molybdenum		3 µg/l to 500 µg/l LOD 0.2 µg/l
		Indium		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Tin		2 to 500 µg/l LOD 0.1 µg/l
	Caesium		1 µg/l to 500 µg/l LOD 0.1 µg/l	

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	Carbonated Beverages/Non-Carbonated Beverages	Thallium	EPA 7473-February 2007	1 µg/l to 500 µg/l LOD 0.1 µg/l
		Bismuth		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Thorium		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Uranium		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Mercury		0.5 ng to 100 ng LOD 0.5 ng
2.	Non-Carbonated Beverages	Brix	EASC-QC-PC-35 Issue Date 01 Aug 2011	1 ° to 95 ° Brix
		Vacuum	EASC-QC-PC-32 Issue Date 01 Aug 2011	(-) 10 mm to (-) 760 mm of Hg
		Total Titratable Acidity	EASC-QC-PC-09 Issue Date 01 Aug 2011	(1 mg to 500 mg)/100 g
3.	Carbon dioxide	Betex and Acetaldehyde		
		Benzene	EASC-CO2-PC-01 Issue Date 01 Aug 2011	0.01 mg/l to 0.05 mg/l
		Toluene		0.01 mg/l to 0.05 mg/l
		Ethyl Benzene		0.01 mg/l to 0.05 mg/l
	p-Xylene		0.01 mg/l to 0.05 mg/l	

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	Carbon dioxide	m-Xylene	EASC-CO2-PC-01 Issue Date 01 Aug 2011	0.01 mg/l to 0.05 mg/l
		o-Xylene		0.01 mg/l to 0.05 mg/l
		Acetaldehyde		0.167 mg/l to 0.418 mg/l
		Methane		0.1 mg/l to 10 mg/l
		Ethane		0.1 mg/l to 10 mg/l
		Ethylene		0.1 mg/l to 10 mg/l
		Propane		0.1 mg/l to 10 mg/l
		Propylene		0.1 mg/l to 10 mg/l
		n-Butane		0.1 mg/l to 10 mg/l
		iso-Butane		0.1 mg/l to 10 mg/l
		1-Butene		0.1 mg/l to 10 mg/l
		n-Pentane		0.1 mg/l to 10 mg/l
		n-Hexane		0.1 mg/l to 10 mg/l
		Sulphur Dioxide		EASC-CO2-PC-02 Issue Date 01 Aug 2011
	Ammonia	EASC-CO2-PC-02 Issue Date 01 Aug 2011	Qualitative	

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	Carbon dioxide	Oxides of nitrogen	EASC-CO2-PC-02 Issue Date 01 Aug 2011	Qualitative	
		Nitrogen dioxide	EASC-CO2-PC-02 Issue Date 01 Aug 2011	Qualitative	
		Methanol	EASC-CO2-PC-02 Issue Date 01 Aug 2011	Qualitative	
		Argon	EASC-CO2-PC-03 Issue Date 01 Aug 2011	10 mg/l to 50 mg/l	
		Oxygen	EASC-CO2-PC-03 Issue Date 01 Aug 2011	10 mg/l to 50 mg/l	
		Nitrogen	EASC-CO2-PC-03 Issue Date 01 Aug 2011	10 mg/l to 50 mg/l	
		Carbon monoxide	EASC-CO2-PC-03 Issue Date 01 Aug 2011	10 mg/l to 50 mg/l	
		Sulphur Impurities			
		Hydrogen Sulphide	EASC-CO2-PC-04 Issue Date 01 Aug 2011	0.05 mg/l to 0.4 mg/l	
		Carbonyl Sulphide		0.05 mg/l to 0.4 mg/l	
	Methyl Mercaptan		0.05 mg/l to 0.4 mg/l		
	Ethyl Mercaptan		0.05 mg/l to 0.4 mg/l		
	Dimethyl Sulphide		0.05 mg/l to 0.4 mg/l		

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	Carbon dioxide	Moisture in CO ₂	EASC-CO2-PC-05 Issue Date 01 Aug 2011	0.1 mg/l to 10000 mg/l
		NVOR and NVR of CO ₂	EASC-CO2-PC-06 Issue Date 01 Aug 2011	Qualitative
		Odor and Appearance of Solid CO ₂	EASC-CO2-PC-07 Issue Date 01 Aug 2011	Qualitative
		Purity of CO ₂	EASC-CO2-PC-08 Issue Date 01 Aug 2011	Qualitative
		Taste , Odor and Appearance of CO ₂	EASC-CO2-PC-09 Issue Date 01 Aug 2011	Qualitative
		Total Hydrocarbon as methane	EASC-CO2-PC-10 Issue Date 01 Aug 2011	5 mg/l to 50 mg/l
		Total Sulphur	EASC-CO2-PC-11 Issue Date 01 Aug 2011	0.01 mg/l to 0.4 mg/l
II.	WATER			
1.	Packaged Drinking Water	Taste	IS 3025 (Part 8): 1984 (RA 2002)	Qualitative
		Odour	IS 3025 (Part 5): 1983 (RA 2002)	Qualitative
		pH	IS 3025 (Part 11): 1983 (RA 2002)	6 to 9
		Conductivity	IS 3025 (Part 16): 1984 (RA 2006)	(0.01 ms to 1000 ms)/cm
		Total Dissolved Solids	IS 3025 (Part 16): 1984 (RA 2002) Edition 2.1 (1999-12)	1 mg/l to 500 mg/l

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	Packaged Drinking Water	True Color	IS 3025 (Part 4): 1983 (RA 2002)	Qualitative
		Turbidity	IS 3025 (Part 10): 1984 (RA 2002)	0.02 NTU to 1000 NTU
		Pesticides Residue	EASC-QC-PC-55 Issue Date 01 Aug 2011 (Based on USEPA 525.2)	0.05 µg/l to 100 µg/l LOD 0.05 µg/l
		2,4'-DDD		
		2,4'-DDE		
		2,4'-DDT		
		4,4'-DDD		
		4,4'-DDE		
		4,4'-DDT		
		Alachlor		
		Aldrin		
		Alpha HCH		
		Butachlor		
		Dieldrin		
		Endosulfan (I)		
	Endosulfan (II)			
	Endosulfan sulfate			

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	Packaged Drinking Water	Pesticides Residue	EASC-QC-PC-55 Issue Date 01 Aug 2011 (Based on USEPA 525.2)	0.05 µg/l to 100 µg/l LOD 0.05 µg/l
		HCH beta		
		Lindane		
		HCH delta		
		2,4 D		
		Atrazine		
		Chlorpyrifos		
		Ethion		
		Isoproturon		
		Malaoxon		
		Malathion		
		Paraoxon methyl		
		Parathion methyl		
		Monocrotophos		
		Phorate		
		Phorate sulfone		
		Phorate sulfoxide		

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Packaged Drinking Water	Toxic Substances		
		Arsenic	EASC-QC-PC-46 Issue Date 01 Aug 2011 (Based on AOAC Official methods 993.14)	1 µg/l to 500 µg/l LOD 0.1 µg/l
		Cadmium	EASC-QC-PC-46 Issue Date 01 Aug 2011 (Based on AOAC Official methods 993.14)	1 µg/l to 500 µg/l LOD 0.1 µg/l
		Chromium	EASC-QC-PC-46 Issue Date 01 Aug 2011 (Based on AOAC Official methods 993.14)	1 µg/l to 500 µg/l LOD 0.1 µg/l
		Lead	EASC-QC-PC-46 Issue Date 01 Aug 2011 (Based on AOAC Official methods 993.14)	1 µg/l to 500 µg/l LOD 0.1 µg/l
		Nickel	EASC-QC-PC-46 Issue Date 01 Aug 2011 (Based on AOAC Official methods 993.14)	1 µg/l to 500 µg/l LOD 0.1 µg/l
	Mercury (Hg)	EPA 7473 :February 2007	0.5 ng to 100 ng LOD 0.05ng	

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	Packaged Drinking Water	Undesirable Substances		
		Alkalinity	IS 3025 (Part 23): 1986 (RA 2003)	1 mg/l to 500 mg/l
		Chloride	EASC-QC-PC-45 Issue Date 01 Aug 2011	0.5 mg/l to 50 mg/l LOD 0.8 mg/l
		Fluoride	EASC-QC-PC-45 Issue Date 01 Aug 2011	0.05 mg/l to 10 mg/l LOD 0.05 mg/l
		Nitrate	EASC-QC-PC-45 Issue Date 01 Aug 2011	0.05 mg/l to 50 mg/l LOD 0.08 mg/l
		Nitrite	EASC-QC-PC-45 Issue Date 01 Aug 2011	0.01 mg/l to 2 mg/l LOD 0.01 mg/l
		Sulphate	EASC-QC-PC-45 Issue Date 01 Aug 2011	0.5 mg/l to 50 mg/l LOD 0.8 mg/l
		Magnesium	EASC-QC-PC-44 Issue Date 01 Aug 2011	1 mg/l to 25 mg/l LOD 1mg/l
		Sodium	EASC-QC-PC-44 Issue Date 01 Aug 2011	1 mg/l to 25 mg/l LOD 1mg/l
		Calcium	EASC-QC-PC-44 Issue Date 01 Aug 2011	2 mg/l to 25 mg/l LOD 1mg/l
		Free Chlorine	IS 3025 (Part 26): 1986 (RA 2003) Edition 2.1 (2004-02)	0.2 mg/l to 10 mg/l LOD 0.2 mg/l
		Phenolic Compounds	APHA (22 nd Edition) 5530 D: 2012	0.06 mg/l to 0.5 mg/l LOD 0.06 mg/l

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	Packaged Drinking Water	Anionic Surfactants	IS 13428 Annexure K IS 3025 (Part 29): 1986 (RA 2003)	0.15 mg/l to 2.25 mg/l LOD 0.15 mg/l
		Sulphide	APHA (22 nd Edition) 4500-SF: 2012 IS 3025 (Part 39): 1991 (RA 2003)	0.05 mg/l to 100 mg/l LOD 0.05 mg/l
		Cyanide	IS 3025 (Part 27): 1986 (RA 2003) Edition 2.1 (2003-04)	0.05 mg/l to 10 mg/l LOD 0.02 mg/l
		Mineral Oil	APHA (22 nd Edition) 5520 C: 2012	0.05 mg/l to 10 mg/l LOD 0.6 mg/l
		Bisphenol A	EASC-QC-PC-70 Issue Date 01 Oct 2015	0.2 µg/l to 10 µg/l
		Aluminum	EASC-QC-PC-46 Issue Date 01 Aug 2011 (Based on AOAC Official methods 993.14)	10 to 500 µg/l LOD 10 µg/l
		Antimony		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Barium		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Copper		1 µg/l to 500 µg/l LOD 0.5 µg/l
		Iron		3 µg/l to 500 µg/l LOD 2 µg/l
		Manganese		1 µg/l to 500 µg/l LOD 0.1 µg/l

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	Packaged Drinking Water	Selenium	EASC-QC-PC-46 Issue Date 01 Aug 2011 (Based on AOAC Official methods 993.14)	0.2 µg/l to 500 µg/l LOD 0.1 µg/l
		Silver		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Boron		1 µg/l to 500 µg/l LOD 1 µg/l
		Lithium		0.3 µg/l to 500 µg/l LOD 0.1 µg/l
		Beryllium		0.3 µg/l to 500 µg/l LOD 0.1 µg/l
		Vanadium		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Cobalt		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Gallium		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Rubidium		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Strontium		1 µg/l to 500 µg/l LOD 0.1 µg/l
	Molybdenum		1 µg/l to 500 µg/l LOD 0.2 µg/l	

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	Packaged Drinking Water	Indium	EASC-QC-PC-46 Issue Date 01 Aug 2011 (Based on AOAC Official methods 993.14)	1 µg/l to 500 µg/l LOD 0.1 µg/l
		Tin		1 µg/l to 500 µg/l LOD 0.2 µg/l
		Caesium		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Thallium		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Bismuth		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Thorium		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Uranium		1 µg/l to 500 µg/l LOD 0.1 µg/l
		Zinc		1 µg/l to 500 µg/l LOD 0.3 µg/l
		Polychlorinated biphenyl (PCB's)		EASC-QC-PC-60 Issue Date 12 June 2012
	Polynuclear aromatic hydrocarbon (PAH's)	EASC-QC-PC-62 Issue Date 12 June 2012	0.25 µg/l to 300 µg/l LOD 0.05 µg/l	

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Plot No. 1109-1110, Village-Pirangut, Taluka-Mulshi, Pune, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing **Issue Date** 31.07.2015

Certificate Number T-0717 **Valid Until** 30.07.2017

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
III. PACKAGING MATERIAL				
1.	Packaging Material	Torque	EASC-QC-PC-26 Issue Date 01 Aug 2011	0.1 lb/inch ² to 50 lb/inch ²
		Container Condition/ Closure Condition/ Label condition	EASC-QC-PC-11 Issue Date 01 Aug 2011	Qualitative
		Net Content	EASC-QC-PC-25 Issue Date 01 Aug 2011	100 ml to 3000 ml

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NOTE: The Laboratory has demonstrated competence for the stated scope for **WATER**. This however does not fully cover the specification requirements of **BIS for the Packaged Drinking Water as per IS 14543 and the Packaged Natural Mineral Water IS 13428.**

Rini Narayan
Convenor

N. Venkateswaran
Program Manager