

Name of Laboratory : Testing Laboratory of Cosmos Brewery (Thailand) Co., Ltd.
Address : 77 Moo 1, Phaholyothin Road KM.54 Tambon Lamsai,
Amphoe Wang Noi, Changwat Phra Nakhon Si Ayutthaya 13170
Accreditation Number : Testing - 0079
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Initial Issue Date : 26th January 2012
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Standard : ISO/IEC 17025:2017
Reference No. : 0303/9833

Scope of Laboratory Accreditation

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Accreditation Number : Testing - 0079

Laboratory Status : Permanent Site Temporary Mobile

Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
1	Bottled drinking water	- Coliforms MPN/100 mL - pH 6.0 to 9.0 - Bromate 2.0 µg/L to 20.0 µg/L - Bromide 5.0 µg/L to 150 µg/L	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 rd ed., 2017, part 9221 B Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 rd ed., 2017, part 4500-H ⁺ B In – house method : W-204-31 based on The Japan Society for Analytical Chemistry, 2011, Vol. 27, p. 1091–1095

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2	Soda water	- Coliforms MPN/100 mL - Bromate 2.0 µg/L to 20.0 µg/L - Bromide 5.0 µg/L to 150 µg/L	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 rd ed., 2017, part 9221 B In – house method : W-204-31 based on The Japan Society for Analytical Chemistry, 2011, Vol. 27, p. 1091–1095
3	Beer	- Color 4.0 EBC to 8.5 EBC	American Society of Brewing Chemist, Methods of Analysis, 14 th ed, 2011, Beer-10, part A

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
3 (cont.)	Beer	- Bitterness 6 BU to 21 BU	American Society of Brewing Chemist, Methods of Analysis, 14 th ed, 2011, Beer-23, part A
		- pH 4.0 to 5.0	American Society of Brewing Chemist, Methods of Analysis, 14 th ed, 2011, Beer – 9 pH (Hydrogen Ion Concentration)
4	Mineral water	- Bromate 2.0 µg/L to 20.0 µg/L	In – house method : W-204-31 based on The Japan Society for Analytical Chemistry, 2011, Vol. 27,
		- Bromide 5.0 µg/L to 150 µg/L	p. 1091–1095

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5	Sparkling mineral water	- Bromate 2.0 µg/L to 20.0 µg/L - Bromide 5.0 µg/L to 150 µg/L	In – house method : W-204-31 based on The Japan Society for Analytical Chemistry, 2011, Vol. 27, p. 1091–1095
6	- Green Tea - Concentrated Sukiyaki Soup - Sukiyaki Sauce - Teriyaki Sauce - Shrimp Gyoza - Vegetable Gyoza	Cannabinoids substances group : - delta-9-Tetrahydrocannabinol (Δ-9-THC) 5.0 µg/kg to 150 µg/kg - Tetrahydrocannabinolic acid (THCA) 5.0 µg/kg to 150 µg/kg - Tetrahydrocannabivarin (THCV) 5.0 µg/kg to 150 µg/kg	In – house method : W-204-38 based on AOAC Official Method of Analysis, 22 nd ed., 2023, method 2018.11 and Cannabis Science and Technology, Vol. 1, No. 1, March/April 2018, page 58-61

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7	Ground water	- Coliforms MPN/100 mL	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 rd ed., 2017, part 9221 B
8	Wastewater	- pH 4.0 to 9.0	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 rd ed., 2017, part 4500-H ⁺ B

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