



ANNEX D5

CERTIFICATES OF THE QUALIFIED
ODOUR PANELIST



ALS Life Sciences | Environmental

Certificate No.: C24115

Certificate for a Qualified Odour Panellist

This is to certify that

LEUNG CHING



has participated in twelve (12) sets of individual N-Butanol screening test
during 21 October 2024 - 25 November 2024

with Individual Threshold : 25 ppb/v

Standard Deviation : 2.0 ppb/v

and

fulfill the Requirement of the European Standard Method of Air Quality -
Determination of Odour Concentration by Dynamic Olfactometry (BS EN 13725:2022) -

The Requirement of the Odour Threshold of n-Butanol in Nitrogen Gas in the Range of 20 - 80 ppb/v with at
least 12 sets of individual threshold estimates and standard deviation less than 2.3

Silver Stamp: Successfully fulfilling the Panellist requirement since 2023

25 November 2024

Issue Date

25 November 2025

Valid Until


Fung Lim Chee, Richard



Certificate for a Qualified Odour Panellist

This is to certify that

WAHEED, ALEXANDER KHAWAJA

has participated in twelve (12) sets of individual N-Butanol screening test
during 21 October 2024 - 25 November 2024

with Individual Threshold : 33 ppb/v

Standard Deviation : 1.6 ppb/v

and

fulfill the Requirement of the European Standard Method of Air Quality -
Determination of Odour Concentration by Dynamic Olfactometry (BS EN 13725:2022) -

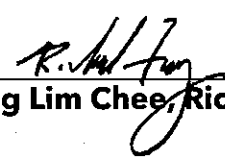
The Requirement of the Odour Threshold of n-Butanol in Nitrogen Gas in the Range of 20 - 80 ppb/v with at
least 12 sets of individual threshold estimates and standard deviation less than 2.3

25 November 2024

Issue Date

25 November 2025

Valid Until


Fung Lim Chee, Richard



Certificate for a Qualified Odour Panellist

This is to certify that

HUNG LING TO

has participated in twelve (12) sets of individual N-Butanol screening test
during 02 August 2024 - 13 August 2024

with Individual Threshold : 37 ppb/v

Standard Deviation : 1.5 ppb/v

and

fulfill the Requirement of the European Standard Method of Air Quality -
Determination of Odour Concentration by Dynamic Olfactometry (BS EN 13725:2022) -

The Requirement of the Odour Threshold of n-Butanol in Nitrogen Gas in the Range of 20 - 80 ppb/v with at
least 12 sets of individual threshold estimates and standard deviation less than 2.3

13 August 2024

Issue Date

13 August 2025

Valid Until


Fung Lim Chee, Richard



Certificate for a Qualified Odour Panellist

This is to certify that

SUEN LONG YAT

has participated in twelve (12) sets of individual N-Butanol screening test
during 02 August 2024 - 13 August 2024

with Individual Threshold : 53 ppb/v

Standard Deviation : 1.5 ppb/v

and

fulfill the Requirement of the European Standard Method of Air Quality -
Determination of Odour Concentration by Dynamic Olfactometry (BS EN 13725:2022) -

The Requirement of the Odour Threshold of n-Butanol in Nitrogen Gas in the Range of 20 - 80 ppb/v with at
least 12 sets of individual threshold estimates and standard deviation less than 2.3

13 August 2024

Issue Date

13 August 2025

Valid Until


Fung Lim Chee, Richard



Certificate for a Qualified Odour Panellist

This is to certify that

Chen Ci He

has participated in twelve (12) sets of individual N-Butanol screening test
during 09-Jan-2024 to 11-Dec-2024

with Individual Threshold : 36.9 ppb
Standard Deviation : 1.65 ppb

and

fulfil the Requirement of the European Standard Method of Air Quality -
Determination of Odour Concentration by Dynamic Olfactometry (BS EN 13725:2022) -

The Requirement of the Odour Threshold of n-Butanol in Nitrogen Gas in the Range of 20 - 80 ppb/v with at
least 12 sets of individual threshold estimates and standard deviation less than 2.3

11 December 2024

Issue Date

11 December 2025

Valid Until

Fung Lim Chee, Richard



Certificate for a Qualified Odour Panellist

This is to certify that

Wong Yiu Chun

has participated in twelve (12) sets of individual N-Butanol screening test
during 17-Jan-2024 to 11-Dec-2024

with Individual Threshold : 38 ppb
Standard Deviation : 1.64 ppb

and

fulfil the Requirement of the European Standard Method of Air Quality -
Determination of Odour Concentration by Dynamic Olfactometry (BS EN 13725:2022) -

The Requirement of the Odour Threshold of n-Butanol in Nitrogen Gas in the Range of 20 - 80 ppb/v with at
least 12 sets of individual threshold estimates and standard deviation less than 2.3

11 December 2024

Issue Date

11 December 2025

Valid Until

Fung Lim Chee, Richard