



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**