



# uYilo Testing Laboratory

## General Information Form

### General data capture form

Project: UCT 002

Analyst: L. Mlele

Instrument: UYL107

Date: 06 December 2024

Sample ID	Density (g.w)	Temp (°C)	Sealed
battery br. ①	32.1	23.5	Yes
① → some of the sample may have spilled as the vial was dropped accidentally.			
⑪	32.9	23.0	Yes
⑫	38.1	23.2	Yes
⑬	40.7	23.5	Yes
⑭ → Sample ⑮ was a bit cloudy			
⑮	39.3	23.6	Yes

Checked by: Masamkele Mdorobane

Signature:



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Project: UCT002

Analyst: L. Mlele

Instrument: uYL 107

Date: 06 December 2024

Sample ID	Density	Temp(°C)	Sealed
Battery b3: (i)	34.8	22.9	Yes.
(ii)	25.6	23.2	Yes
(iv) <del>(iii)</del>	35.9	23.0	Yes
(v)	36.1	23.0	Yes
(vi)	35.6	22.1	Yes
battery b2 (i)	39.1	23.0	Yes
(ii)	39.5	23.6	Yes
(iv) <del>(iii)</del>	39.6	23.3	Yes
(v)	40.6	23.0	Yes
(vi)	40.1	23.2	Yes

\* Sample (ii) was cloudy

\* Sample (v) & (vi) were also cloudy

Checked by: Masamkele Molondolo

Signature:

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Analyst: L. Mlefe

Instrument: UYL107

Date: 06 December 2024

Sample ID	Density (g.w)	Temp (°C)	Sealed
Battery b <sup>5</sup> <sub>q7</sub> : ①	31.6	23.0	Yes
① for ①, Sample was grainy (maybe contaminated)			
②	31.1	23.0	Yes
③	30.6	23.0	Yes
④	31.1	22.8	Yes
⑤	31.5	22.7	Yes
Battery b <sub>4</sub>			
* ①	32.3	23.1	Yes
②	34.0	23.0	Yes
③	33.3	22.9	Yes
④	33.2	22.9	Yes
⑤	33.4	22.8	Yes

Checked by: Masamkele Malondob

Signature: 



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Instrument: UYL107

Date: 06 December 2024

<u>Sample ID</u>	<u>Density (g/L)</u>	<u>Temp (°C)</u>	<u>Sealed</u>
Battery b7:	* measured	Separate.	
①	25.5	22.7	Yes
②	25.1	23.0	Yes
③	24.2	22.9	Yes
④	24.7	22.6	Yes
⑤	25.1	22.6	Yes
Battery b6:			
①	27.6	23.1	Yes
②	29.4	23.0	Yes
③	28.8	22.9	Yes
④	27.6	23.0	Yes
⑤	28.4	22.9	Yes

Checked by: Mmamkele Molobelo

Signature:

General data capture form

Project: UCT002

Analyst: L. Mlele

Instrument: UYL107

Date: 06 December 2024

Sample ID	Density (g.w)	Temp (°C)	Sealed
Battery b9 : ①	15,1	22.3	Yes
②	15,2	22.8	Yes
③	14,9	22.5	Yes
④	16.9	22.8	Yes
⑤	16.2	23.0	Yes

Battery b8 : ①	measured	Separately	
②	21,5	22.4	Yes.
③	21,6	22.3	Yes
④	22.1	22.7	Yes
⑤	22,6	22.8	Yes
⑥	21.3	22.8	Yes

Checked by: Macambele Maldonado

Signature: 



General data capture form

Project: UCT002

Analyst: L. Mleke


Instrument: UYL102

Date: 06 December 2024

Sample ID	Density (% w/w)	Temp(°C)	Sealed
Battery A1 : I)	42.3	23.6	Yes
II)	42.8	23.6	Yes
III)	42.6	23.3	NO
IV)	41.0	24.1	NO
V)	42.3	23.4	NO
VI)	43.11	23.5	NO

Battery Bio : ① *	Measured	separately	
①	13.3		
②	14.6	22.8	Yes
③	15.8	23.4	Yes
④		22.6	Yes
⑤	15.8	22.14	Yes
⑥	15.7	22.7	Yes

Checked by: Masambele Molondo

Signature: 

General data capture form

Project: ULT002

Analyst: L. Mleke

Instrument: UYL107

Date: 06 November 2024

Sample ID	Density (%/W)	Temp (°C)	Sealed
Battery A3: i)	36,3	22,5	Yes
ii)	39,0	22,5	NO
iii)	33,3	22,8	Yes
iv)	39,8	22,7	Yes
v)	38.9	22.7	Yes
vi)	38.6	22.8	Yes
Battery A2: i)	41,5	23.1	Yes
ii)	41.0	23.6	NO
iii)	41,5	23.3	Yes
iv)	40.4	23.4	Yes
v)	40.8	23.3	NO
vi)	41.0	23.4	NO

Checked by: Mmamfela Mbonoblo.

Signature: 

General data capture form

Project: Batch A (OCT002)

Analyst: L. Mlele

Instrument: UYL 107

Date: 05 December 2024

<u>Sample ID</u>	<u>Density (% w/w)</u>	<u>Temp (°C)</u>	<u>Sealed ?</u>
Battery 5a : ①	31,8	24,1	Yes
35,6 ← ②	35,8	24,2	No
③	33,6	24,8	No
④	32,8	24,5	No
⑤	33,2	24,4	No
⑥	33,2	24,1	No
Battery 4a : ①	26,7	24,4	No
②	37,7	<del>24,4</del> + 24,1	Yes
③	37,6	24,5	No
④	37,0	24,4	No
⑤	37,1	24,2	No
⑥	36,8	24,3	Yes
			No

Checked by: Marambele Mubonole

Signature: 



General data capture form

Project: Batch A (UCT002)

Analyst: L. Mbele

Instrument: CYL 107

Date: 05 December 2024

<u>Sample ID</u>	<u>Density (% w/w)</u>	<u>Temp (°C)</u>	<u>Sealed?</u>
Battery 7a i)	27.9	23.8	Yes
ii)	28.6	24.0	Yes
iii)	27.7	23.9	Yes
iv)	28.6	24.1	Yes
v)	28.5	23.8	Yes
vi)	27.7	23.9	Yes
Battery 6a i)	31.7	23.8	Yes
ii)	32.6	23.8	Yes
iii)	31.8	23.8	Yes
iv)	31.2	23.9	Yes
v)	31.7	24.2	Yes
vi)	27.7	24.2	Yes

Checked by: Masambele Mbonabele

Signature: 

General data capture form

Project: Batch A (UCT002)

Analyst: L. Mlele

Instrument: UYL 107

Date: 05 December 2024

Sample ID      Density % (w/w)      Temp (°C)      Sealed ?

Battery 8a: i) Destroyed —

ii)	26.8	23.6	Yes
iii)	26.0	23.8	No
iv)	25.7	24.1	No
v)	26.3	24.0	No
vi)	27.6	24.3	No

Battery 9a: i)

ii)	26.6	24.1	No
iii)	24.1	24.0	No
iv)	* Sample destroyed		
v)	22.5	23.7	No
vi)	21.0	23.9	Yes
	21.2	23.4	Yes

Checked by: Masambele Mkhondelo

Signature: 



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Analyst: L. Mlele

Instrument: uYL107

Date: 05 December 2024

Sample ID

Density % (w/w)

Temp (°C)

Sealed?

Battery A10 : i)

21.8

24.1

No

ii)

18.5

24.8

Yes

iii)

17.0

24.2

No

iv)

27.9

24.1

No

\* - batteries got replaced (uYL107)  
- uYL107 got rinsed with Di-H<sub>2</sub>O

v)

18.7

24.3

No

vi)

17.7

24.1

No

Checked by: Masambale Ndondolo

Signature: