

TEMPERATURE AND RELATIVE HUMIDITY MAPPING REPORT		
ID No.	Name Of Equipment	Report No.
EID/MPL-II/QC/134	Walk In Stability Chamber	QID/ML/22-23/12/0007

<b>Name &amp; Address Of Customer</b>	Mankind Pharma Ltd. Unit- II, Village - Kishanpura, P.O - Jamniwala, Poanta Sahib Sirmour, HIMACHAL PRADESH - 173025
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◦ Temperature Mapping Details

Name OF The Equipment	Walk In Stability Chamber	Acceptance Criteria	Temp °C 30±2 RH % 75±5	Mapping start Time	16:00:00
Room ID.	EID/MPL-II/QC/134			Mapping end Time	16:00:00
		Recording Freq.	10 Min	Mapping Date (Start)	23/11/2022
Location	Stability Room	Nos. Of Locations	10	Mapping Date (End)	24/11/2022
Type of Condition	Loaded	Mapping Period	24 Hours	Test Equipment Used	wireless Data Logger
Differential Pressure	NA	Reason Of Mapping	NA		

◦ Details of Standard Instrument Used for Temperature Mapping

Name of Standard Instrument	Serial No./L.No.	Make	Instrument Certi. No.	Calibrated On	Next Due Date
Wireless Data Logger	36938064 / L01	Testo	STC/DDN/CAL/04328	12/03/2022	31/12/2022
Wireless Data Logger	36938755 / L02	Testo	STC/DDN/CAL/04341	12/03/2022	31/12/2022
Wireless Data Logger	37389539 / L03	Testo	STC/DDN/CAL/10077	17/05/2022	31/12/2022
Wireless Data Logger	37389564 / L04	Testo	STC/DDN/CAL/10078	17/05/2022	31/12/2022
Wireless Data Logger	37378884 / L05	Testo	STC/DDN/CAL/10082	17/05/2022	31/12/2022
Wireless Data Logger	37389578 / L06	Testo	STC/DDN/CAL/10085	17/05/2022	31/12/2022
Wireless Data Logger	83387975 / L07	Testo	STC/DDN/CAL/04046	17/02/2022	31/12/2022
Wireless Data Logger	83389962 / L08	Testo	STC/DDN/CAL/04050	17/02/2022	31/12/2022
Wireless Data Logger	83388119 / L09	Testo	STC/DDN/CAL/04067	17/02/2022	31/12/2022
Wireless Data Logger	83389451 / L10	Testo	STC/DDN/CAL/04084	17/02/2022	31/12/2022

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• Temperature Mapping Details

Acceptance Criteria	30±2	Mapping start Time	16:00:00
	75±5	Mapping end Time	16:00:00
Recording Freq.	10 Min	Mapping Date (Start)	23/11/2022
Nos. Of Locations	10	Mapping Date (End)	24/11/2022
Mapping Period	24 Hours	Test Equipment Used	wireless Data Logger

### Summary Report

POSITION	L01	L02	L03	L04	L05	L06	L07	L08	L09	L10
MINIMUM TEMPERATURE (°C)	28.9	28.6	28.9	28.9	28.7	28.3	28.9	28.4	28.9	28.9
MAXIMUM TEMPERATURE (°C)	29.3	28.8	29.1	29.2	29.0	28.6	29.3	28.6	29.3	29.3
AVERAGE TEMPERATURE (°C)	29.037	28.665	29.014	29.097	28.903	28.457	29.086	28.521	29.034	29.106

Note : All parameters are computed based on the attached raw data.

\* Colour Indication : Cold Location  Hot Location 

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### Summary of Parameters Computed During Mapping (Relative Humidity)

POSITION	L01	L02	L03	L04	L05	L06	L07	L08	L09	L10
MINIMUM RELATIVE HUMIDITY (%RH)	75.7	77.2	76.2	76.1	74.5	76.6	76.9	76.0	73.3	73.8
MAXIMUM RELATIVE HUMIDITY (%RH)	79.1	79.2	78.9	79.0	79.5	79.1	79.5	78.3	76.9	77.0
AVERAGE RELATIVE HUMIDITY (%RH)	78.261	78.337	78.094	78.109	78.967	78.321	78.763	77.573	75.963	76.119

Note : All parameters are computed based on the attached raw data.

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### Dimension of Walk In Stability Chamber

Temperature and relative humidity sampling location (For Small Area)

Length of area (L) : 0 m

Width of area (W) : 0 m

Area (A): L X W : 0 m X 0 m = 0 m<sup>2</sup>

Sampling location (NL) :  $\sqrt{A} = \sqrt{0} \text{ m}^2 = 0 \text{ Nos.}$

Number of data logger / Probes Used : 10 Nos.

Temperature and relative humidity sampling location (For Large Area)

Length of area (L) : N/A m

Width of area (W) : N/A m

Area (A): L X W : N/A X N/A = N/A m<sup>2</sup>

Sampling location (NL) : A/36:N/A /36 m<sup>2</sup>


$N/A / N/A = N/A \text{ Nos.}$

Number of data logger / Probes Used : N/A Nos.

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Diagram Indicating Location Of Data Logger



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**Observation :**

The Temperature And Relative Humidity Mapping of the Walk In Stability Chamber is done with 10 Data logger for 24 Hours. During Mapping process. Maximum Average Relative Humidity Observed is 78.967% at the Location No L05, Minimum Average Relative Humidity Observed is 75.963% at the Location No L09, And Maximum Average Temperature Observed is 29.106 at the Location No. L10. Minimum Average Temperature Observed is 28.457°C at the Location No L06.

**Conclusion & Recommendation**

On the basis of Observation and Data Report of Temperature and Relative Humidity Mapping of Walk In Stability Chamber for 24 Hours. It is Concluded that Temperature and Relative Humidity in Walk In Stability Chamber area is uniformly distributed within acceptance criteria of Temperature  $30 \pm 2$  & Relativity Humidity with acceptance criteria of  $75 \pm 5$  %RH .

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### DEVIATION

**Remarks :-** After Studying Data Report Temperature And Relativity Humidity of Walk In Stability Chamber are found for during 24 Hours Temprature  $30 \pm 2$  °C & Relativity Humidity  $75 \pm 5$  RH is found out of acceptance criteria at Different Time data Logger. The out of acceptance criteria Data are highlighted in attached Annexure – I.

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