

### Equilibrium Moisture Content - EMC (%), Equilibrium Relative Humidity (%) of Rough Rice at different Temperatures (°C)

EMC, w.b., %	Temperature, °C																								
	1.7	4.4	7.2	10.0	12.8	15.6	18.3	21.1	23.9	26.7	29.4	32.2	35.0	37.8	40.6	43.3	46.1	48.9	51.7	54.4	57.2	60.0	62.8	65.6	
1	0.1	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.7	0.8	1.1	1.3	1.7	2.0	2.5	3.1	3.8	4.6	5.6	6.8	8.2	9.8	11.7	14.0	
2	0.3	0.4	0.5	0.6	0.7	0.9	1.1	1.3	1.6	1.9	2.3	2.8	3.3	4.0	4.7	5.6	6.6	7.7	9.0	10.5	12.2	14.2	16.4	18.9	
3	0.9	1.1	1.3	1.5	1.8	2.1	2.5	2.9	3.4	3.9	4.5	5.3	6.1	7.0	8.0	9.2	10.4	11.9	13.5	15.3	17.2	19.4	21.9	24.5	
4	2.1	2.5	2.8	3.3	3.7	4.3	4.8	5.5	6.2	7.0	7.9	8.9	10.0	11.2	12.5	13.9	15.5	17.2	19.0	21.0	23.2	25.5	28.0	30.7	
5	4.4	5.0	5.5	6.2	6.9	7.7	8.5	9.4	10.4	11.5	12.6	13.9	15.2	16.6	18.2	19.8	21.6	23.4	25.4	27.5	29.8	32.1	34.6	37.3	
6	8.1	8.8	9.7	10.6	11.5	12.5	13.6	14.8	16.0	17.3	18.6	20.1	21.6	23.2	24.9	26.6	28.5	30.4	32.4	34.6	36.8	39.1	41.5	44.0	
7	13.2	14.2	15.3	16.4	17.5	18.7	20.0	21.3	22.7	24.2	25.7	27.2	28.8	30.5	32.2	34.0	35.9	37.8	39.8	41.9	44.0	46.1	48.4	50.7	
8	19.8	21.0	22.2	23.5	24.8	26.1	27.5	28.9	30.4	31.9	33.4	35.0	36.6	38.3	40.0	41.8	43.5	45.4	47.2	49.1	51.1	53.1	55.1	57.1	
9	27.6	28.8	30.1	31.5	32.8	34.2	35.6	37.1	38.5	40.0	41.5	43.1	44.6	46.2	47.8	49.4	51.1	52.8	54.5	56.2	57.9	59.6	61.4	63.2	
10	36.0	37.3	38.6	40.0	41.3	42.6	44.0	45.4	46.8	48.2	49.6	51.0	52.4	53.9	55.3	56.8	58.3	59.8	61.2	62.7	64.2	65.8	67.3	68.8	
11	44.7	46.0	47.2	48.5	49.7	51.0	52.2	53.5	54.8	56.0	57.3	58.6	59.8	61.1	62.4	63.7	64.9	66.2	67.5	68.8	70.0	71.3	72.6	73.8	
12	53.2	54.4	55.5	56.6	57.7	58.9	60.0	61.1	62.2	63.3	64.4	65.5	66.6	67.7	68.8	69.8	70.9	72.0	73.1	74.1	75.2	76.2	77.3	78.3	
13	61.2	62.2	63.1	64.1	65.1	66.0	67.0	68.0	68.9	69.8	70.8	71.7	72.6	73.5	74.4	75.3	76.2	77.1	77.9	78.8	79.7	80.5	81.3	82.2	
14	68.3	69.1	70.0	70.8	71.6	72.4	73.2	74.0	74.8	75.6	76.3	77.1	77.8	78.6	79.3	80.0	80.7	81.4	82.1	82.8	83.5	84.2	84.9	85.5	
15	74.5	75.2	75.9	76.6	77.2	77.9	78.6	79.2	79.8	80.4	81.1	81.7	82.3	82.9	83.4	84.0	84.6	85.1	85.7	86.2	86.8	87.3	87.8	88.3	
16	79.8	80.4	80.9	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0	85.5	86.0	86.4	86.9	87.3	87.8	88.2	88.6	89.1	89.5	89.9	90.3	90.7	
17	84.2	84.7	85.1	85.5	85.9	86.3	86.7	87.1	87.5	87.9	88.3	88.7	89.0	89.4	89.7	90.1	90.4	90.8	91.1	91.4	91.7	92.0	92.3	92.7	
18	87.8	88.2	88.5	88.8	89.1	89.4	89.8	90.1	90.4	90.6	90.9	91.2	91.5	91.8	92.0	92.3	92.6	92.8	93.1	93.3	93.5	93.8	94.0	94.2	
19	90.7	91.0	91.2	91.5	91.7	91.9	92.2	92.4	92.6	92.8	93.1	93.3	93.5	93.7	93.9	94.1	94.3	94.5	94.6	94.8	95.0	95.2	95.4	95.5	
20	93.0	93.2	93.3	93.5	93.7	93.9	94.1	94.2	94.4	94.6	94.7	94.9	95.0	95.2	95.3	95.5	95.6	95.8	95.9	96.0	96.2	96.3	96.4	96.6	
21	94.7	94.9	95.0	95.2	95.3	95.4	95.5	95.7	95.8	95.9	96.0	96.1	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	
22	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.0	97.1	97.2	97.3	97.4	97.4	97.5	97.6	97.7	97.7	97.8	97.9	97.9	98.0	
23	97.1	97.2	97.3	97.4	97.4	97.5	97.0	97.6	97.7	97.7	97.8	97.9	97.9	98.0	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	
14	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.9	98.9	
25	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	

Source: FAO (Courtesy of Wratten and Kendrick. Extrapolated data by Hogan and Karon, and Karon and Adams. Equation by Strohmman and Yoeger. Accuracy of extrapolated data beyond the range of 23-43°C has not been verified experimentally.