

Table 4 – The sugars of *Mesembryanthemum* species growing in Egypt\*

Sugars	<i>M. crystallinum</i>		<i>M. forsskaolii</i>		<i>M. nodiflorum</i>	
	Free	Combined	Free	Combined	Free	Combined
Rhamnose	3.70	2.20	2.30	1.00	1.90	4.60
Arabinose	5.70	3.50	3.10	1.80	2.60	5.20
Ribose	6.20	3.80	3.30	2.30	3.10	5.50
Mannose	8.50	6.00	4.00	3.00	4.00	5.70
Fructose	14.50	7.20	5.20	5.80	4.90	6.30
Sorbose	—	7.60	6.00	6.80	5.40	6.60
Glucose	—	8.70	7.10	7.10	6.00	7.30
Galactose	—	—	7.70	7.60	6.20	7.80
Cellobiose	—	—	8.00	8.10	7.40	8.20
Melibiose	—	—	8.30	14.00	8.30	7.70
Sucrose	—	—	8.50	—	8.50	—
Lactose	—	—	9.30	—	10.00	—
Xylose	—	—	9.60	—	12.30	—
Maltose	—	—	10.00	—	13.70	—
Trehalose	—	—	—	—	15.30	—

\* (El-Tantawy *et al.*, 2004)

Table 5 – The free amino acids of *Mesembryanthemum* species growing in Egypt\*

Free amino acids	<i>M. crystallinum</i>	<i>M. forsskaolii</i>	<i>M. nodiflorum</i>
Arginine monohydrochloride	+	+	+
Aspartic acid	+	+	+
Ornithine	-	+	+
Lysine monohydroxochloride	-	+	+
Glycine	+	-	-
Serine	+	-	-
Glutamic acid	+	-	-
Threonine	+	-	-
Ornithine monohydrochloride	-	+	-
Cystine	-	+	-

\* (El-Tantawy *et al.*, 2004)Table 6 – The Protein amino acids of *Mesembryanthemum* species growing in Egypt\*

Free amino acids	<i>M. crystallinum</i>	<i>M. forsskaolii</i>	<i>M. nodiflorum</i>
Aspartic acid	0.73	0.35	0.39
Threonine	0.31	0.13	0.20
Serine	0.34	0.15	0.17
Glutamic acid	1.40	0.58	0.80
Proline	0.56	0.12	0.32
Glycine	0.79	0.37	0.27
Alanine	0.56	0.17	0.28
Cystine	0.00	0.00	0.00
Valine	1.45	0.15	0.26
Methionine	0.00	0.00	0.00
Isoleucine	1.03	0.13	0.17
Leucine	1.89	0.20	0.30
Tyrosine	0.32	0.09	0.09
Phenylalanine	0.41	0.12	0.17
Histidine	0.74	0.12	0.09
Lycine	2.26	0.10	0.19
Arginine	2.01	0.23	0.20
Total	14.53	3.01	3.90

\* (El-Tantawy *et al.*, 2004)

Table 7 – The fatty acids of *Mesembryanthemum* species growing in Egypt\*

Fatty acids		<i>M. crystallinum</i>	<i>M. forsskaolii</i>	<i>M. nodiflorum</i>
Capric acid	10.0	0.032	—	—
Undecanoic acid	11.0	23.395	—	—
Dodecanoic acid	12.0	3.687	0.0954	0.043
Tridecanoic acid	13.0	0.032	4.2780	4.481
Myristic acid	14.0	1.526	—	—
Pentadecanoic acid	15.0	13.069	34.9330	33.779
Palmitic acid	16.0	0.826	24.2390	7.775
Hyptadecanoic acid	17.0	—	1.8060	—
Stearic acid	18.0	3.973	2.0910	12.279
Linoleic acid	18.2	—	—	10.771
Linolenic acid	18.3	0.954	—	17.449
Arachidic acid	20.0	12.397	7.7460	—
Unknown 1	22.0	40.051	—	9.436
Unknown 2	23.0	—	24.7150	3.964
Unknown 3	24.0	0.032	0.0950	0.043

\* (El-Tantawy *et al.*, 2004)

Table 8 – Proximate analysis of samh seeds and wheat flour\*

Character	Wheat (%)	Samh (%)
Moisture	12.40	5.70
Crude protein	13.07	22.25
Crude fat	1.30	5.60
Ash	1.57	4.00
Crude fibre	—	9.70

\* Mustafa *et al.* (1995)