

APPENDICES

APPENDIX A

Raw data

Appendix Table A1 Anacardic acid from extraction by n-Hexane

Solvent to CNS ratio	Calcium anacardate		Anacardic acid	
	30°C	50°C	30°C	50°C
40 ml :10 g	3.82	3.93	3.40	3.50
60 ml :10 g	4.67	4.78	4.16	4.26
80 ml :10 g	4.93	5.05	4.39	4.50
100 ml :10 g	4.95	5.07	4.41	4.52

Appendix Table A2 Anacardic acid from extraction by methanol

Solvent to CNS ratio	Calcium anacardate		Anacardic acid	
	30°C	50°C	30°C	50°C
40 ml :10 g	4.38	4.55	3.90	4.05
60 ml :10 g	4.53	4.71	4.03	4.19
80 ml :10 g	4.77	4.87	4.25	4.34
100 ml :10 g	4.77	4.89	4.25	4.36

Appendix Table A3 Anacardic acid from extraction by ethanol

Solvent to CNS ratio	Calcium anacardate		Anacardic acid	
	30°C	50°C	30°C	50°C
40 ml :10 g	4.44	4.67	3.90	4.16
60 ml :10 g	4.61	4.73	4.11	4.21
80 ml :10 g	4.88	4.93	4.35	4.39
100 ml :10 g	4.86	4.91	4.33	4.37

Appendix Table A4 Amount of calcium anacardate obtained after acid-base reaction by various ethanol concentration solvent

% Ethanol	Amount of calcium anacardate (g)			
	80 ml:10 g	100 ml:10 g	120 ml:10g	140 ml: 10g
50	3.11	3.15	3.15	3.16
75	4.20	4.45	4.85	-
95	4.69	4.87	-	-
100	4.87	4.86	-	-