

APPENDIX

A. Acid Value

Volume of NaOH required to neutralise the Acid in the *Jatropha curcas* seed Oil Sample

Burette reading/ml	1	2	3
Final reading	9.60	13.30	15.10
Initial reading	6.90	9.70	12.40
Titre	2.70	2.60	2.70

B. Saponification Number

Volume of HCl required to Neutralize Blank

Burette reading/ml	1	2	3
Final reading	22.60	45.10	22.50
Initial reading	0.00	22.70	0.00
Titre	22.60	22.50	22.50

Volume of HCl require to Neutralized *Jatropha curcas* seed Oil Sample

Burette reading/ml	1	2	3
Final reading	3.70	7.70	11.50
Initial reading	0.00	3.80	7.70
Titre	3.70	3.90	3.80

C. Iodine Value

Volume of Sodium thiosulphate required to react with Blank

Burette reading/ml	1	2	3
Final reading	25.90	26.00	25.80
Initial reading	0.00	0.00	0.00
Titre	25.90	26.00	25.80

Volume of Sodium thiosulphate required to react with *Jatropha curcas* Oil Sample

Burette reading/ml	1	2	3
Final reading	6.20	12.70	19.00
Initial reading	0.00	6.30	12.80
Titre	6.20	6.40	6.20