

**Central Laboratory**  
Bangladesh Agricultural Research Institute  
Joydebpur, Gazipur

**Proposed Cost of Biochemical Analysis of different Samples**

Sl. No.	Sample/Parameter	Intra-Institute (TK/sample)	Inter-Institute(TK/sample)
1.	Protein content (Seed sample, Kjeldhal method)	250	350
2.	Protein content (Plant sample)	200	250
3.	Oil content (Soxlet method)	250	300
4.	Fatty acid composition from fats/oils by Gas chromatography ( $\omega$ -3, $\omega$ -6, $\omega$ -9 etc)	750	1000
5.	Free Fatty Acid Content	200	250
6.	Oryzanol content from Rice Bran oil	400	500
7.	Saponification value	200	250
8.	Acid Value	200	250
9.	Iodine Value	200	250
10.	Peroxide value	200	250
11.	Cholesterol	400	500
12.	Total nitrogen in plant sample/fertilizer	200	300
13.	Carbohydrate	350	500
14.	Starch	350	500
15.	Reducing sugar	350	500
16.	Total soluble sugar (TSS)	200	250
17.	Vitamin A	250	350
18.	Tocopherol	300	500
19.	Vitamin C	250	350
20.	Total amino acid	350	500
21.	Proline content	600	800
22.	Chlorophyll content	200	250
23.	Leaf area index by leaf area meter	25	50
24.	Stomatal conductance	150	250
25.	CO <sub>2</sub> assimilation rate	150	250
26.	Transpiration rate	150	250
27.	Photosynthesis rate	150	250
28.	High performance liquid chromatography (HPLC) analysis in different molecules	750	1000
29.	Beta-carotene in oilseed crops	400	500
30.	Na <sup>+</sup> & K <sup>+</sup> in plant sample	200	250



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