IOWA STATE COLLEGE
OF AGRICULTURE AND MECHANIC ARTS
DEPARTMENT OF CHEMISTRY
AMES, IOWA

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HARVEY DIEHL
Assistant Professor of Analytical Chemistry

September 9, 1942

Dr. Melvin Calvin
Department of Chemistry
University of California
Berkeley, California

Dear Dr. Calvin:

At Dr. Diehl's request we are sending to you, under separate cover, a sample of di-(2-hydroxy-3-ethoxybenzal)-ethylenediimine cobalt. It was thought that you might be interested in making some magnetic susceptibility measurements, vapor pressure measurements, or other tests on this material.

Our preliminary work on this compound shows it to be a very active oxygen carrier. It will absorb oxygen from dry air at atmospheric pressure almost as rapidly as the corresponding methoxy compound. The chief merit, however, of this material is that a high activation temperature is unnecessary. It may be quickly and completely activated in a vacuum at 110°.

We will appreciate any comments that you may have in regard to this compound.

With kindest regards,

Lawrence M. Liggett

Lawrence M. Liggett

LML:mm

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