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Mr. Bob Carroll Biofriendly Corporation 622 Terrado Drive Monrovia, CA 91016 August 13, 2004

(626) 303-6000 Phone (626) 358-8010 FAX

Re: Biofriendly Gasoline no harm testing Phase I

Final Report – no harm tests

Dear Mr. Carroll:

Work has been completed on no harm testing of the Biofriendly Green Plus additive with gasoline. A regular grade gasoline was purchased from a Houston gas station to assure that MTBE was present as the fuel oxygenate, as specified by Dr. Colin Hill. The no-harm tests shown in the attached report were performed on the neat fuel and on the fuel additized with 0.5 fluid oz additive to 5 gallons of gasoline. This add rate was shown on the container of Green Plus additive. The additive was received from Dr. Hill during his visit with us on June 25, 2004. The additive was stored in dark and cool conditions prior to blending, and the additized fuel is stored in an opaque container. Each of the tests has been performed to the specified ASTM test procedure as described, with no modifications or deviations. Testing was performed between July 22 and August 12, 2004. Precisions have not been established for this testing, but ASTM precisions may be referred to. Sample aliquots were taken in accordance with the specified test methods. The specification test results for the base and additized fuels were within repeatability. This indicates that there was no harmful effect detected from the additive tested.

These analyses pertain only to the sample(s) received by Southwest Research Institute and represent only a sampling of each lot. This report shall not be reproduced except in full without the express written permission of Southwest Research Institute. If there are any questions concerning these analyses, or if you have further instructions please contact me at (210)522-2071

Sincerely,

Karen B. Kohl

Manager, Fuels Laboratory

Karen B. Kohe

Petroleum Products Research Dept.

Automotive Products and Emissions Research Div.

Southwest Research Institute

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## SUMMARY OF NO-HARM TEST DATA

Test Parameter	Test Method	Regular Gasoline	Regular Gasoline With 0.5 Fluid oz/
Vapor pressure, psi	ASTM D 5191	6.64	Per 5gal Green Plus 6.54
Distillation, °F	ASTM D 86		
IBP	SE RESIDENT VIOLENCE	104.2	101.5
10% vol		137.0	135.8
50% vol		192.3	191.6
90% vol		336.5	337.2
Final Boiling Point		414.3	408.9
Recovered %		98.3	98.0
Residue %		0.7	1.2
Loss %		1.0	0.8
Copper Corrosion	ASTM D 130	1a	1b
Sulfur, mass%	ASTM D 2622	0.0034	0.0035
Lead Content, g/gal	ASTM D 3237	<0.001	<0.001
Unwashed Gum, mg/100mL	ASTM D 381	16.5	18.5
Solvent washed gum, mg/100mL		1.0	<0.5
Oxidation Stability, minutes	ASTM D 525	No break, >1440 min	No break, >1440 min
Water Tolerance at (-42°C)	ASTM D 6422	Pass	Pass
Ash, mass%	ASTM D 482	<0.001	<0.001
Research Octane Number	ASTM D 2699	90.8	90.9
Motor Octane Number	ASTM D 2700	82.4	82.4
Antiknock Index AKI	ASTM D 4814	86.6	86.6

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