

## Evaluation Report for Category B, Subcategory 1.2 Application

**Application Number:** 2007-5117  
**Application:** New source by different registrant  
**Product:** Gibberellic Acid Technical Plant Growth Regulator  
**Registration Number:** 29087  
**Active ingredients (a.i.):** giberellic acid at 90%  
**PMRA Document Number :** 1642157

### Background

The original source of technical gibberellic acid, “Technical Grade Gibberellic Acid”, containing 90% gibberellic acid (Reg. No. 27652) was first registered in 2004.

### Purpose of Application

The Purpose of this application is to register a new technical source of gibberellic acid, “Gibberellic Acid Technical Plant Growth Regulator”.

### Chemistry Assessment

Common Name: Gibberellic Acid  
CAS Chemical Name: (1 $\alpha$ ,2 $\beta$ ,4 $\alpha$ ,4 $\beta$ ,10 $\beta$ )-2,4a,7-trihydroxy-1-methyl-8-methylenegibb-3-ene-1,10-dicarboxylic acid 1,4a-lactone

Gibberellic Acid Technical Plant Growth Regulator has the following properties:

Property	Result
Colour and physical state	Off-white solid
Nominal concentration	90% as determined by HPLC
Odour	No noticeable odour
Density	0.80 g/mL
pH	2.78
Solubility in water	4.28 g/L (20°C)
n-Octanol/water partition coefficient	Log K <sub>ow</sub> = 0.24

The chemistry requirements for Gibberellic Acid Technical Plant Growth Regulator have been completed.

## Health and Environment Assessments

No additional studies are required for product specific registration (data protection) considerations (see Trade Memorandum T-1-249, “Product-Specific Registration and Proprietary Rights to Data”), since a re-evaluation of gibberellic acid occurred at PMRA (PACR 2005-09).

## Value Assessment

A value assessment is not required for technical grade active ingredient products.

## Conclusion

The PMRA has completed an evaluation of the subject application and has determined that Gibberellic Acid Technical Plant Growth Regulator is eligible for full registration.

## References

### 7.1.1 Studies/Information Provided by Applicant/Registrant

- 788359 1996, Chemical Analysis of Technical Grade Falgro. Final Report., N001881-A, DACO: 2.13.1,2.13.2 CBI
- 788360 2001, GA3 FIVE-BATCH DATA, FNA/075, DACO: 2.13.3 CBI
- 788361 1996, Physical State, Color, and Odor Determination of Falgro Technical Grade Active Ingredient and Physical State Determination of 4% Liquid End-Use Product and 20% Powder End-Use Product, N001881-C, DACO: 2.14.1,2.14.2,2.14.3 CBI
- 788362 1996, Product Chemistry For Technical Grade Of Active Ingredient - Solid Final Report, 2525-95, DACO: 2.14.13,2.14.4,2.14.6,2.14.7,2.14.8,2.16 CBI
- 1450406 2007, Product Chemistry Data to Support the Registration of Gibberellic Acid Technical Plant Growth Regulator, DACO: 2.1,2.10,2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.13.4,2.14.10,2.14.11,2.14.12,2.14.9,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI
- 1609855 2008, Manufacturers name and office address and manufacturing plants name and office address, N/A, MRID: N/A, DACO: 2.2 CBI
- 1609856 2008, Batch Data, Certificate of Supply, N/A, MRID: N/A, DACO: 2.12.2 CBI
- 1614045 2008, Manufacturers Name and Office Address and Manufacturers Plant and Office Address, N/A, MRID: N/A, DACO: 2.2
- 1614046 2008, Batch Data, N/A, MRID: N/A, DACO: 2.13.3

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