

New ASTM Subcommittee: E48.D Distiller's Coproducts



Fuel Ethanol Laboratory Conference
Kristy Moore
Technical Consultant, Growth Energy
October 2023

An ASTM Primer



CELEBRATING 125 YEARS

All



Search topic, title, author, A53



[Products & Services](#) [Get Involved](#) [About](#) [News](#)

[Contact](#) [Cart \(0\)](#)

[Kristin](#) ▾

[Home](#) / [Get Involved](#) / [Technical Committees](#)

Committee E48 on Bioenergy and Industrial Chemicals from Biomass

Staff Manager: [Brian Milewski](#)

For over 25 years, ASTM Committee E48 has been center stage for the fundamental development of high quality voluntary consensus standards for industrial biotechnology and agricultural biomass/renewable energy. Approximately 150 members from around the globe facilitate international harmonization of standards and methods and a coordinated framework for the expansion of biomass conversion processes. Four technical subcommittees maintain jurisdiction over 14 standards, published in Volume 11.06 of the Annual Book of ASTM Standards. Biannual meetings, held June and December, focus on information sharing and standards development, respectively. Committee E48 governs will focus on bioenergy and industrial chemicals from biomass, from characterization through manufacturing.

ASTM E48 Bioenergy and Industrial Chemicals from Biomass

- ASTM Standards are important to our industry!
 - Motor fuels have long used ASTM to build standards and improve/ maintain product quality.
 - D02 Main Committee has 2,500 members.
- E48 transformed from Biotechnology to Bioenergy ~2007.
 - Growing committee, growing importance.

ASTM E48 Bioenergy and Industrial Chemicals from Biomass

- Development of Standards and Specifications supporting the commercial activity of bioenergy, biomass conversion:
 - Many methods on biomass characterization.
 - Standard Practice for Determination of Converted Fraction of Starch and Cellulose co-fermentation.
 - Undenatured ethanol specification development.

E48.D Distiller's Coproducts

The promotion of knowledge, stimulation of research, and the development of standards and methods, and development of recommended practices and guides related to the analysis of distillers grains and co-products produced from the biorefinery and distillery industries.

Subcommittees and Standards

Standards under the jurisdiction of E48

Each main committee in ASTM International is composed of subcommittees that address specific segments within the general subject area covered by the technical committee. Click on the subcommittee links below to see the title of existing standards for each subcommittee. Then, click on the resulting titles to see the standard's scope, referenced documents, and more.

- [E48.05 Biomass Conversion](#)
- [E48.80 Sustainability of Bioenergy and Industrial Chemicals from Biomass](#)
- [E48.90 Executive](#)
- [E48.91 Terminology](#)
- [E48.A0 Product Specifications](#)
- [E48.D0 Distillers Co-Products](#)

ASTM: How do I get involved?

- Stakeholder involvement
 - Two face-to-face meetings per year, voting rights throughout the year.
- Balanced stakeholder input. Producer not more than User + General Interest.
- Level of participation is up to you.
 - Must keep up voting.
- Unlimited committee memberships.
- Very active efforts at ASTM D02, E48.
- Government agencies must adopt consensus standards when available.
- Advancing our industry goals with standards, methods, specifications.
- Starts with \$115 annual membership.

Industry Technical Collaboration

➤ Fuel Ethanol Technical Advisory Group (FETAG)

- Originally came together through ASTM
- Bigger opportunities for this group to collaborate
- No trade group ties
- Industry outreach and communication

➤ Current Objectives

- ASTM “Know Before You Go” Webinar
- FEW Panel Discussion on topics impacting DFE
- Potential for Industry Led Research Efforts



Thank you!

KMoore Consulting LLC, Email: fueltechservice@gmail.com, Phone:
309.275.9433