



October 3, 2012

**VIA EDGAR**

U.S. Securities and Exchange Commission  
Division of Corporation Finance  
100 F Street, N.E.  
Washington, D.C. 20549  
Attn: Nudrat Salik  
Staff Accountant

**Re: Metabolix, In.**  
**Form 10-K for Fiscal Year Ended December 31, 2011**  
**Filed March 12, 2012**  
**Form 10-Q for the Period ended June 30, 2012**  
**Filed July 27, 2012**  
**File No. 1-33133**

Dear Ms. Salik:

This is to follow up to our telephone conversation today regarding an extension of time to respond to the comment letter from the Staff of the Securities and Exchange Commission, dated October 1, 2012, relating to the above-referenced Form 10-K and Form 10-Q (the "Comment Letter"). The Company respectfully requests an additional 10 business days to file its complete response to the Staff's comments.

Assuming the Staff grants the above request for an extension, the Company hereby confirms that it intends to submit its responses to the comments made in the Comment Letter no later than October 29, 2012.

If you should have any questions concerning this request, please contact the undersigned at (978) 513-1842. Thank you for your assistance with this matter.

Very truly yours,

/s/ Sarah P. Cecil  
\_\_\_\_\_  
Sarah P. Cecil  
General Counsel

Metabolix | 21 Erie Street | Cambridge | MA | 02139 | USA  
tel: 617 583 1700 | fax: 617 583 1767 | [www.metabolix.com](http://www.metabolix.com)

---