

# technical bulletin

## Production Quantities of EpiPure™ TMGa Readily Available

SAFC Hitech is pleased to announce that EpiPure™ Grade TMGa is readily available in production quantities. EpiPure™ TMGa manufacturing and purification processes yield the lowest levels of oxygen-containing species in our final product. The proven technique of adduct purification is also used to ensure the lowest levels of metallic and hydrocarbon impurities on a consistent basis. The product is certified in-house using techniques such as FTNMR and ICP-OES.

This grade of TMGa is particularly suitable for materials grown at higher substrate temperatures and for oxygen critical applications such as AlGaIn, InGaIn, GaIn, and AlGaInAs.

	Electronic	Adduct	EpiPure™
<b>Cr</b>	<0.4	<0.4	<0.4
<b>Cu</b>	<0.05	<0.05	<0.05
<b>Fe</b>	<0.1	<0.1	<0.1
<b>Ge</b>	<0.5	<0.5	<0.5
<b>I</b>	<2.0	<1.0	<1.0
<b>Mg</b>	<0.02	<0.02	<0.02
<b>Ni</b>	<0.5	<0.5	<0.5
<b>S</b>	<2.0	<1.0	<1.0
<b>Si</b>	<1.0	<0.03	<0.03
<b>Sn</b>	<1.0	<1.0	<1.0
<b>Te</b>	<0.5	<0.2	<0.2
<b>Zn</b>	<1.0	<0.2	<0.2
<b>Oxygen</b>	<40	<10	<1

Typical Impurity Levels (in ppm)

If you require tighter specifications, increased batch-to-batch consistency, and optimum performance. Please contact your local SAFC Hitech agent for further details.