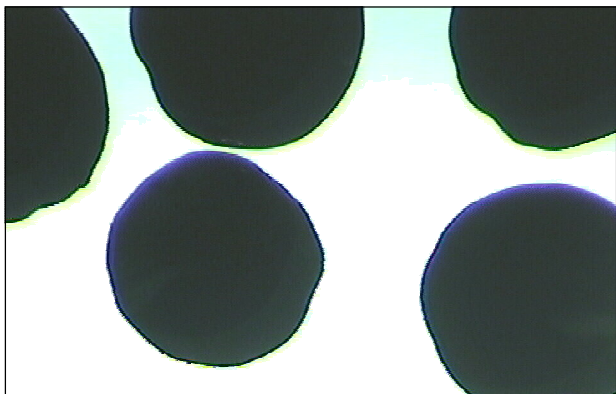
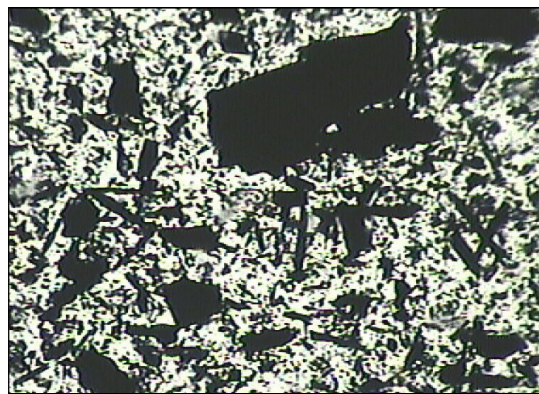


QuadraPure™ C

Reaxa's QuadraPure™ C is a totally synthetic porous, high surface area, dust free carbon adsorbent in bead format which offers a convenient solution for the removal of organic contaminants thus allowing easier, faster and cleaner processes to be developed.



Microscope image of QuadraPure™ C



Microscope image of granular activated carbon

Easier to handle	dust free, no reactor contamination or filter caking/blocking
Cleaner products	adsorption of trace contaminants
Cleaner waste streams	removal of trace organic material from waste streams
Improved reproducibility	totally synthetic carbon >99.9% C with excellent batch to batch performance
Fast, efficient process	good filtration characteristics, fast flow rates with low back pressure
Process intensification	ideal for use in loose packed beds with no carbon carry over or in pre-packed cartridges
Safer	no dust or flammable solids generated

Key applications of QuadraPure™ C:

- removal of colour, trace impurities and odour from APIs, building blocks and specialty chemicals
- removal of low molecular weight contaminants from macromolecules such as peptides, proteins etc
- removal of trace organic impurities from aqueous solutions and waste streams



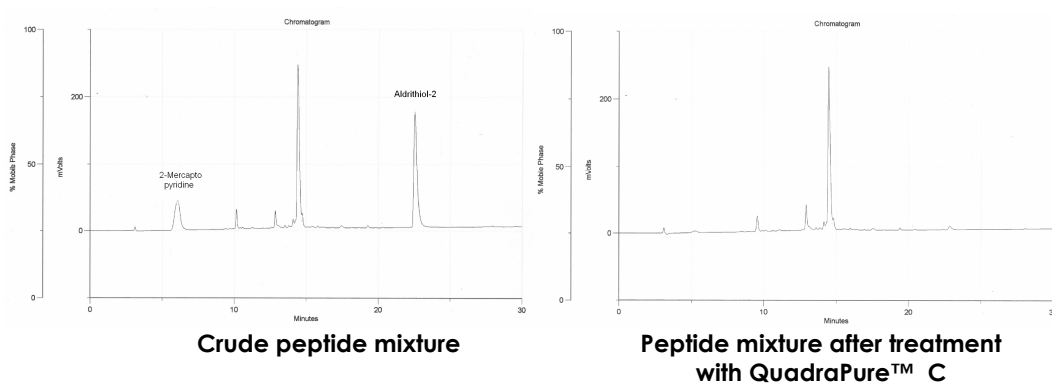
QuadraPure™ C

Key features of QuadraPure™ C:

- regular spheroid particles 0.3 to 0.8mm diameter
- mechanically and thermally stable up to 300 °C
- free flowing solid and free of dust and solvent
- neutral non-functional carbon >99.9% C
- porous with 1 nm average pore diameter
- high surface area (1200 m²/g)
- high capacity
- GMP compliant (regulatory support available on request)

Example of QuadraPure™ C Application:

A client's crude activated sulphhydryl peptide contained traces of activating agent Aldrithiol-2 and 2-mercaptopyridine. After simple treatment with QuadraPure™ C (30mins, rt), HPLC analysis showed that all surplus Aldrithiol-2 and 2-mercaptopyridine had been removed. With no loss of product, the peptide was sufficiently pure for a proceeding conjugation to an antibody fragment.



R&D quantities of QuadraPure™ C are available from Sigma-Aldrich at www.sigmaldrich.com

For technical support and bulk quotations please contact info@reaxa.com

