Food & drink

Low on caffeine still big on taste

And healthier too. Delicious decaf, made without solvents, is out there – but it pays to enquire about the beans and brewing method, says *Sue Quinn*

of the coffee world, denounced for being full of chemicals and derided for tasting awful. But decaffeinated coffee is having a new dawn.

According to consumer

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According to consumer analysts Allegra Strategies, around six per cent of us now regularly order a decaf when we visit a coffee shop. Although the health benefits of moderate coffee consumption are widely recognised, many people don't get on with caffeine. Pregnant and breast-feeding women are advised to limit their intake, while many find that caffeine disrupts sleep, raises blood pressure or makes them anxious.

So the reputation of decaf is on the up. Chemical-free decaffeination methods and high quality single-origin beans are being employed more widely to improve the lot of decaf drinkers and win over the naysayers. But how is decaffeinated coffee made and what's actually in the cup?

Decaffeination has come a long

way since a German, Ludwig
Roselius, first discovered how to
extract caffeine from beans in 1903.
He used benzene, a solvent now
known to be a carcinogen, which
might explain decaf's reputation
for being riddled with chemicals.
But benzene hasn't been used for
decades to decaffeinate coffee,
and the process is now generally
regarded to be safe.

employ chemical solvents - either ethyl acetate or methylene used to extract caffeine from soaked in water to soften them, chloride. Green coffee beans are beans. Two "direct" methods of the beans is at or below 0.1 per cent - the legal maximum for repeated until the caffeine content then drained off, and the process draw the caffeine out. The water is and then a solvent is added to also ensures that traces of solvent decaffeinated coffee. The process left on the beans are below the safe imits set by European legislation. There are four different methods

According to Roger Cook, science manager for the Institute for Scientific Information on Coffee (ISIC), studies have proven that these solvents are safe to use in decaffeination. But some people still have concerns, and many aficionados believe the process damages the bean and therefore the flavour of the coffee. That's why modern methods that don't involve chemical solvents are increasingly finding favour.

Hit: a cup of decaf is the obvious answer for pregnant women, below left, craving a good coffee





dissolves the caffeine. Natural added to the water to make up coffee components are then beans are soaked in water, which the best known. Green coffee leach out of the beans along with for the flavour compounds that are 99.9 per cent caffeine free. process repeated until the beans filtered out of the water and the the caffeine. The caffeine is then The Swiss Water® process is

beans are soaked in liquid CO2 method, is also used. Green coffee "supercritical CO2" or "liquid CO2" known as the "sparkling CO2", Another non-chemical process,

think of decaf as The public still bad quality muck

conditions the caffeine can be water - and under certain the same gas as used in sparkling extracted and filtered out, leaving the flavour compounds unaltered. "If we compare decaf back in the

years, it's night and day in quality Seventies and Eighties to recent and taste," says Guy Wilmot, specialising in single-origin decaf Coffee Co, an online retailer founder of the Decadent Decaf method. "This hasn't filtered made with the Swiss Water® that's not good for you. think of decaf as bad-quality muck through to the public yet, who still

BEST-TASTING DECAF WAKE UP AND SMELL THE COFFEE

£3.75 for 250g; Decaffeinato Lavazza Caffè ocado.com

espresso decar

squaremilecoffee. £12.50 300g; espresso. Square Mile Coffee Decai

waitros e.com

E3.29 for 227g

Waitrosel decaffeinated

Peru

blend

Decaf Coffee Decadent

Cosignature















some coffee manufacturers have expensive and time-consuming, so way the caffeine has been extracted much to do with the beans as the beans to keep prices low. Ironically, The process has always been of pricier Arabica beans. used the cheaper, inferior Robusta blends, contain twice the caffeine in freeze-dried coffee and cheap Robusta beans, commonly used But the quality of decaf has as

the supercritical CO2 method to make the company's decaffeinated uses top-quality Arabica beans and Mile Coffee Roasters, says he only James Hoffmann, CEO of Square

> we love specifically to have range. "We are passionate about decaf," he says. "We buy coffees them decaffeinated."

out what they're buying? If you coffee shop, the barista might grab a decaf from a specialist at the big chains. Starbucks told know the method used_But this shops or on the company's website. information is harder t⊖ come by chloride) decaffeination process the Telegraph it uses a blend of 100 per cent Arabica b∈ans and the direct method (methylene But how can consumers find but this is not publicised in coffee

> an informed choice. Delicious about decaf so you can make

decaf that tastes of coffee - made is important to you - is available. without the use of solvents if this

You just have to hunt it down.

while Caffè Nero uses CO2. Mountain Water process, similar Costa coffee uses the Mexican to the Swiss Water® method,

Some supermarkets, including coffee made without solvents. Waitrose, sell decaffeinated decaf coffee to make at home. and Waitrose I Raw Bean Waitrose I Peru decaffeinated informed choice when buying decaffeinated, for example, are the Swiss Water® method. made with Arabica beans using It's also difficult to make an

specify on packaging," says Cook. "Another is that all processes is one reason why they don't switch between processes, which are perfectly safe, so there's no "Manufacturers sometimes

reason to specify." 0.3 per cent for soluble or 0.1 per content of decaf cannot exceed Under EU regulations, the caffeine that decaf is not caffeine-free. cent for roast and ground coffee. equate to as much as 5g of caffeine the coffee is made, this could Depending on the beans and how isn't always stated on the packet. caffeinated coffee) - and again this per cup (compared to 120g for Many people are also unaware It pays to ask questions