



who sports
extended release?

—
we do.

n-dur XR™ drink technology base


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n-dur XR™ technology

extends nutrient release
for up to 6 hours

- great for sports beverages, especially when used with EAAs
- creates an all-in-one pre- and post-workout recovery drink due to the extended release action
- unique, super convenient

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

who sports unique
extended release EAAs?

n-dur™ XR
drink technology



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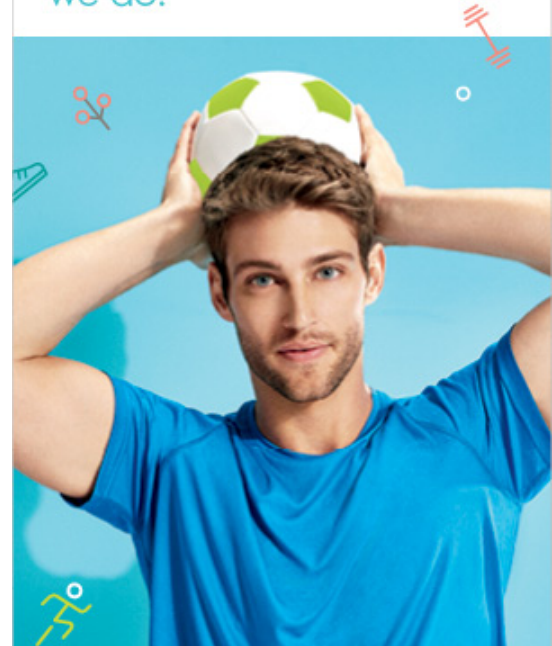
who enhances EAAs?

n-dur XR™ drink technology

- after exercise, the muscle recovery process takes place over a period of time
- slowly releasing EAAs over an extended period enables muscle recovery support for a longer time
- EAAs enhanced with Ashland's n-dur XR™ technology can be combined with other ingredients such as nitric oxide boosters, energy systems and creatine

who helps you score
formulation goals?

—
we do.



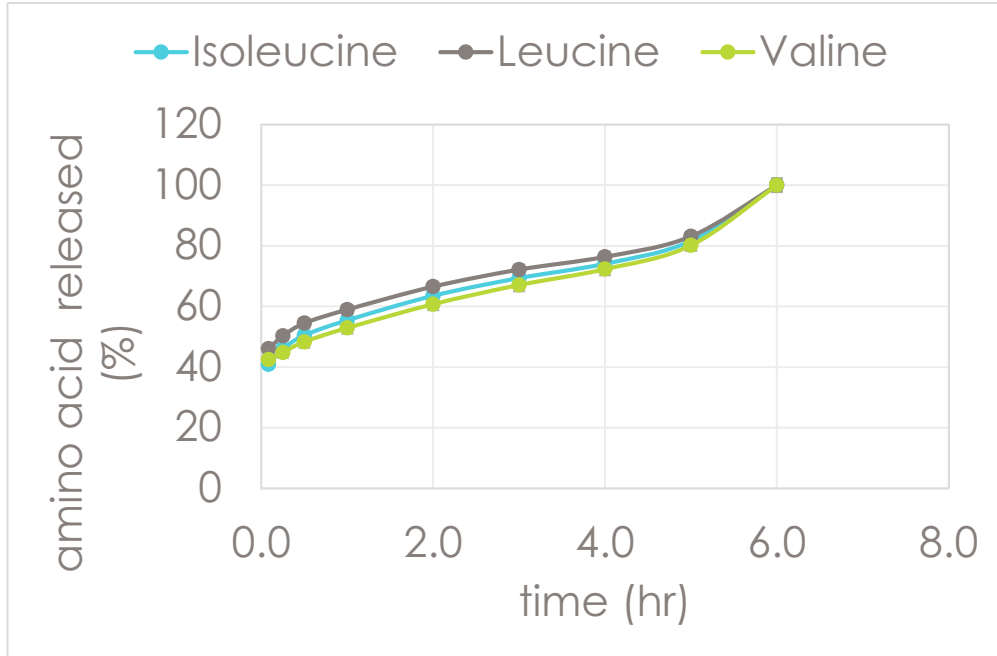
SSW booth 4049

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six hour *in vitro* dissolution of EAAs

with n-dur XR™ in *FaSSIF pH 6.5



dissolution profile of EAA's with N-Dur XR technology tracking Leucine, Isoleucine and Valine for 6hr

- 30 grams of granules (equivalent to 15 grams of EAAs) were dispersed in a shaker bottle with 300 ml of water and mixed with the shaker ball included in the bottle
- the mixture was vigorously shaken for 30 seconds and the reconstituted amino acid drink was then left standing for 10 minutes to simulate consumer use
- this reconstituted amino acid drink was later added to 600 ml of fasted state biorelevant media simulating small intestinal fluid (FaSSIF) and tested in a USP Apparatus 2 (paddle)

differentiated solution

n-dur XR™ drink technology

- o uses a proprietary process
- o made with patented ingredients
- o enhanced dispersibility
- o easy-to-use powder form
- o helps mask unpleasant taste and odor
- o customizable composition
- o compatible with whey and fruit-based formulations
- o vegan
- o Kosher and Halal certified

for more information, talk to one of our solvers



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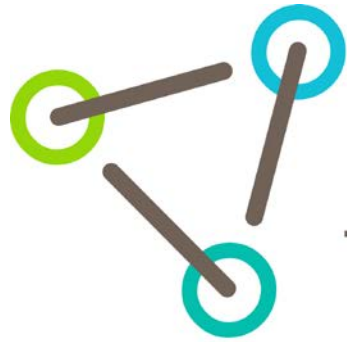
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