Fermentables

Amount	Fermentable	Use
9.5 kg	Maris Otter Pale (UK)	Mash
2.9 kg	Rye (US)	Mash
1.0 kg	Flaked Oats	Mash
400.0 g	Caramel/Crystal 85L (US)	Mash
75.0 g	CaraCrystal Wheat Malt (US)	Mash

Hops

Amount	Нор	Time
30.0 g	Summit (US)	60 min
40.0 g	Amarillo (US)	5 min
40.0 g	Simcoe (US)	5 min
40.0 g	Columbus (US)	5 min
40.0 g	Citra (US)	5 min
56.0 g	Denali	3 days
56.0 g	Simcoe (US)	3 days
56.0 g	Columbus (US)	3 days
56.0 g	Amarillo (US)	3 days

Yeasts

Name	Lab/Product
American Ale II	Wyeast 1272

Extras

Amount	Name	Time
1.0 each	Yeast Nutrient (Wyeast)	5.0 min

Stats

Batch & Boil

Batch Size **Boil Time** 41.6395 L 60 min

Properties

OG FG IBU

1.068 ↑	1.018 ↑	46 ↑
ABV	Color	Balance
6.6% ↑	9 SRM	Bitter

Notes

1:1 chloride / sulfate ratio at about 120ppm.

(dry hop hops will be added later)