

NB Surly Cynic - American Pale Ale ()

Brewer	Nobody		
Date	07/18/2013		
Batch Size	5.500 gal	Boil Size	6.394 gal
Boil Time	60.000 min	Efficiency	70%
OG	1.050	FG	1.013
ABV	4.8%	Bitterness	27.8 IBU (Tinseth)
Color	6.0 srm (Morey)	Calories (per 12 oz.)	165

Fermentables

Name	Type	Amount	Mashed	Late	Yield	Color
Rahr - Premium Pilsner Malt	Grain	8.750 lb	Yes	No	80%	2.0 srm
Simpsons - Golden Naked Oats	Grain	10.080 oz	Yes	No	73%	10.0 srm
Weyermann - Acidulated Malt	Grain	10.080 oz	Yes	No	80%	3.2 srm
Simpsons - Aromatic Malt	Grain	10.080 oz	Yes	No	82%	25.0 srm
Total grain: 10.640 lb						

Hops

Name	Alpha	Amount	Use	Time	Form	IBU
Golding	5%	1.750 oz	Aroma	10.000 min	Pellet	0.0
Golding	5%	0.250 oz	First Wort	60.000 min	Pellet	2.7
Columbus/Tomahawk/Zeus	15.5%	0.500 oz	Boil	60.000 min	Pellet	25.1

Yeast

Name	Type	Form	Amount	Stage
Wyeast - Belgian Ardennes	Ale	Liquid	0.528 cup	Primary

Mash

Name	Type	Amount	Temp	Target Temp	Time
Sacch Rest	Infusion	3.325 gal	159.994 F	148.000 F	60.000 min
Final Batch Sparge	Infusion	4.512 gal	179.969 F	165.200 F	15.000 min