- Gravity 11.4 BLG
- ABV 4.6 %
- IBU **17**
- SRM **3.4**
- Style American Wheat or Rye Beer

Batch size

- Expected quantity of finished beer 10 liter(s)
- Trub loss 5 %
- Size with trub loss 10.5 liter(s)
- · Boil time 70 min
- Evaporation rate 10 %/h
- Boil size 12.8 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 6.6 liter(s)
- Total mash volume 8.8 liter(s)

Steps

- Temp **64 C**, Time **40 min** Temp **72 C**, Time **20 min**
- Temp 78 C, Time 10 min

Mash step by step

- Heat up 6.6 liter(s) of strike water to 71.3C
- Add grains
- Keep mash 40 min at 64C
- Keep mash 20 min at 72C
- Keep mash 10 min at 78C
- Sparge using 8.4 liter(s) of 76C water or to achieve 12.8 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pszeniczny	1.1 kg <i>(50%)</i>	85 %	4
Grain	Pilzneński	1.1 kg <i>(50%)</i>	81 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	2.5 g	60 min	15.5 %
Aroma (end of boil)	Mosaic	7 g	5 min	10 %
Aroma (end of boil)	denali	7 g	5 min	14 %
Whirlpool	Mosaic	10.5 g	0 min	10 %
Whirlpool	denali	10.5 g	0 min	14 %
Dry Hop	Mosaic	28.5 g	3 day(s)	10 %
Dry Hop	denali	28.5 g	3 day(s)	14 %

Yeasts

Name	Туре	Form	Amount	Laboratory
WLP090 - San Diego Super Yeast	Ale	Slant	500 ml	White Labs

Vot	res	
•	Ew. zamień denali na citre. Jeśli denali - szmata Nov 15, 2017, 3:39 PM	