55-IPA-03.05.2019

- Gravity 16.8 BLG
- ABV 7.1 %
- IBU **58**
- SRM **8.5**
- Style American IPA

Batch size

- Expected quantity of finished beer 10 liter(s)
- Trub loss 10 %
- Size with trub loss 11.5 liter(s)
- Boil time 70 min
- Evaporation rate 15 %/h
- Boil size 14.7 liter(s)

Mash information

- Mash efficiency 70 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 12 liter(s)
- Total mash volume 16 liter(s)

Steps

- Temp 52 C, Time 15 min
 Temp 62 C, Time 45 min
 Temp 72 C, Time 20 min
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up 12 liter(s) of strike water to 57.3C
- Add grains
- Keep mash 15 min at 52C
- Keep mash 45 min at 62C
- Keep mash 20 min at 72C
- Keep mash 10 min at 78C
- Sparge using 6.7 liter(s) of 76C water or to achieve 14.7 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	2.7 kg <i>(67.5%)</i>	80 %	4
Grain	Karmelowy Czerwony	0.3 kg <i>(7.5%)</i>	75 %	59
Grain	Strzegom Monachijski typ I	1 kg (25%)	79 %	16

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	15 g	60 min	8.8 %
Boil	Centennial	30 g	20 min	10.5 %
Aroma (end of boil)	Nelson Sauvin	30 g	1 min	11 %
Dry Hop	Nelson Sauvin	20 g	5 day(s)	11 %
Dry Hop	Centennial	20 g	5 day(s)	10.5 %

Yeasts

Name Type Form Amount Laboratory	
----------------------------------	--

Mangrove Jack's	Ale	Slant	60 ml	Mangrove Jack's
M44 US West Coast				