17. MILKSHAKE IPA

- Gravity 15.4 BLG
- ABV 6.5 %
- IBU 57
- SRM **5**
- Style American IPA

Batch size

- Expected quantity of finished beer 9.8 liter(s)
- Trub loss 5 %
- Size with trub loss 10.3 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 12.4 liter(s)

Mash information

- Mash efficiency 80 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 8.4 liter(s)
- Total mash volume 11.3 liter(s)

Steps

- Temp **55 C**, Time **15 min** Temp **67 C**, Time **45 min**
- Temp 77 C, Time 10 min

Mash step by step

- Heat up 8.4 liter(s) of strike water to 60.8C
- Add grains
- Keep mash 15 min at 55C
- Keep mash 45 min at 67C
- Keep mash 10 min at 77C
- Sparge using 6.8 liter(s) of 76C water or to achieve 12.4 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Briess - Pale Ale Malt	2 kg <i>(71.5%)</i>	80 %	7
Grain	Pszeniczny	0.3 kg <i>(10.7%)</i>	85 %	4
Grain	Płatki owsiane	0.5 kg <i>(17.8%)</i>	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	9.92 g	60 min	13.5 %
Boil	Simcoe	9.92 g	30 min	13.2 %
Boil	Simcoe	9.92 g	10 min	13.2 %
Aroma (end of boil)	Centennial	7.09 g	1 min	10.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
American Ale 1056	Ale	Slant	100.6 ml	Wyeast

Extras

Type	Name	Amount	Use for	Time
Type	Italiic	Amount	030 101	

Flavor	Maliny	1499.98 g	Secondary	4 day(s)
Flavor	Laktoza	699.95 g	Boil	15 min