

AIPA

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **90**
- SRM **10**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **2 %**
- Size with trub loss **19.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **12 %/h**
- Boil size **24.6 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.2 liter(s) / kg**
- Mash size **17.3 liter(s)**
- Total mash volume **22.7 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4.8 kg (88.9%)	80 %	5
Grain	Strzegom Karmel 150	0.4 kg (7.4%)	75 %	150
Grain	Aroma CastleMalting	0.2 kg (3.7%)	78 %	100

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Bravo	35 g	60 min	15.5 %
Boil	Cascade	20 g	45 min	6 %
Boil	Citra	25 g	10 min	12 %
Boil	Cascade	25 g	5 min	6 %
Boil	Citra	25 g	3 min	12 %
Dry Hop	Citra	30 g	---	12 %
Dry Hop	Cascade	50 g	---	6 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM52 Amerykański Sen	Ale	Liquid	1000 ml	Fermentum Mobile

Extras

Type	Name	Amount	Use for	Time
Flavor	zest z limonki	20 g	Secondary	2 day(s)