

# EXTERMINATOR 19 DOUBLE AIPA

- Gravity **19.3 BLG**
- ABV **8.4 %**
- IBU **88**
- SRM **8.4**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **25.6 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **2.8 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28.5 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	5.5 kg (73.3%)	79 %	6
Grain	Strzegom Monachijski typ I	1.5 kg (20%)	79 %	16
Grain	Aromatic Malt	0.2 kg (2.7%)	78 %	51
Grain	Caramel/Crystal Malt - 30L	0.3 kg (4%)	75 %	59

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Summit	32 g	60 min	17 %
Boil	Cascade	15 g	40 min	6 %
Boil	Cascade	15 g	15 min	6 %
Boil	Amarillo	20 g	30 min	9.5 %
Boil	Amarillo	16 g	15 min	9.5 %
Boil	Amarillo	16 g	10 min	9.5 %
Boil	Amarillo	17 g	5 min	9.5 %
Boil	Citra	10 g	15 min	12 %
Boil	Citra	10 g	10 min	12 %
Boil	Citra	10 g	5 min	12 %
Dry Hop	Citra	20 g	7 day(s)	12 %
Dry Hop	Amarillo	20 g	7 day(s)	9.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Mangrove Jack's M44 US West Coast	Ale	Slant	100 ml	Mangrove Jack's