

# Lart

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- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **44**
- SRM **6.5**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **19.9 liter(s)**
- Total mash volume **25.6 liter(s)**

## Steps

- Temp **66 C**, Time **20 min**
- Temp **69 C**, Time **20 min**
- Temp **72 C**, Time **20 min**

## Mash step by step

- Heat up **19.9 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **20 min** at **66C**
- Keep mash **20 min** at **69C**
- Keep mash **20 min** at **72C**
- Sparge using **14.8 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount         | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Pilzneński                 | 3 kg (52.6%)   | 81 %  | 4   |
| Grain | Caramunich® typ I          | 0.45 kg (7.9%) | 73 %  | 80  |
| Grain | Castlemalting - Cara Clair | 0.25 kg (4.4%) | 78 %  | 4   |
| Grain | Monachijski                | 0.5 kg (8.8%)  | 80 %  | 16  |
| Grain | Oats, Flaked               | 0.5 kg (8.8%)  | 80 %  | 2   |
| Grain | Viking Pale Ale malt       | 1 kg (17.5%)   | 80 %  | 5   |

## Hops

| Use for             | Name     | Amount | Time     | Alpha acid |
|---------------------|----------|--------|----------|------------|
| Boil                | Simcoe   | 23 g   | 60 min   | 13.2 %     |
| Aroma (end of boil) | Simcoe   | 10 g   | 15 min   | 13.2 %     |
| Aroma (end of boil) | Cascade  | 10 g   | 15 min   | 6 %        |
| Aroma (end of boil) | Amarillo | 20 g   | 5 min    | 9.5 %      |
| Aroma (end of boil) | Amarillo | 10 g   | 1 min    | 9.5 %      |
| Dry Hop             | Amarillo | 34 g   | 1 day(s) | 9.5 %      |
| Dry Hop             | Simcoe   | 17 g   | 1 day(s) | 13.2 %     |