

# Wielka chwila pierwsza warka

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- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **44**
- SRM **4.3**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **16 liter(s)**

## Fermentables

| Type  | Name        | Amount     | Yield | EBC |
|-------|-------------|------------|-------|-----|
| Grain | Pilzneński  | 3 kg (75%) | 81 %  | 4   |
| Grain | Monachijski | 1 kg (25%) | 80 %  | 16  |

## Hops

| Use for             | Name    | Amount | Time   | Alpha acid |
|---------------------|---------|--------|--------|------------|
| Boil                | Chinook | 25 g   | 60 min | 13 %       |
| Aroma (end of boil) | Cascade | 25 g   | 10 min | 6 %        |

## Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale  | Dry  | 11.5 g | Safale     |